






ATHENS STATE COLLEGE

Athens, Alabama 35611

**1990-1991
Catalog**



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ATHENS STATE COLLEGE

Catalog

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Athens, Alabama

Volume XV

Number I

Catalog and Announcements
for
1990-91

Founded in 1822

State Affiliated

ACCREDITATION

Athens State College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate degrees.

MEMBERSHIPS

The Southern Association of Colleges and Schools
American Association of State Colleges and Universities
American Association of Colleges for Teacher Education

ATHENS STATE COLLEGE CATALOG

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Athens, Alabama 35611

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NON-DISCRIMINATION

Athens State College does not discriminate on the basis of sex, race, color, religion, national origin, handicap, or age in its educational programs, activities, admissions, or employment policies as required by Title IX of Education Amendments of 1972, Title VI and VII of the Civil Rights Act of 1964, Sections 503 and 504 of the Rehabilitation Act of 1973, Executive Order 11246 and all its amendments, and Executive Order 83-64 (sexual preference in employment).

Any person, who believes himself or herself, or any specific class of individuals, to be subjected to discrimination prohibited by Title VI or Title IX of the Act of Regulations issued thereunder may, himself or herself or a representative, file a written complaint with the United States Commissioner of Education or with this institution (or both).

Athens State College is approved by the Alabama State Department of Education for the training of elementary, secondary, and postsecondary school teachers. The Alabama State Department of Education is a member of the National Association of State Directors of Teacher Education Certification.

The catalog is the official announcement of the programs, requirements, and regulations of Athens State College. Students enrolling in the school are subject to the provisions stated herein. Statements regarding courses, fees, and conditions are subject to change without advance notice.

Any referral in this catalog to credit from educational institutions, implies that said institution is located within the confines of the United States, its territories or its military bases.

Athens State College provides for the handicapped.

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1990 - 1991 ACADEMIC CALENDAR

Fall Quarter 1990

August 30	Faculty/Staff Conference
August 31	Regular Registration
September 4-6	Late Registration/Drop & Add
September 3	Labor Day Holiday
September 4	Classes Begin
November 12	Veterans Day Holiday
November 13,14	Final Examinations
November 16	Grades Due
November 19,20,21	Professional Development (ACA)
November 22,23	Thanksgiving Holidays

Weekend Classes

Set #1

September	7, 8
September	21, 22
October	12, 13
October	26, 27

Set #2

September	14, 15
September	28, 29
October	19, 20
November	2, 3

Winter Quarter 1990 - 91

November 26	Regular Registration
November 27-29	Late Registration/Drop & Add
November 28	Classes Begin
December 18	Christmas Holidays Begin
January 7	Classes Resume
January 21	Holiday - Martin Luther King
February 20,21,22	Final Examinations
February 27	Grades Due

Weekend Classes

Set #1

December	7, 8
January	11, 12
January	25, 26
February	8, 9

Set #2

December	14, 15
January	18, 19
February	1, 2
February	15, 16

Spring Quarter 1991

March 5	Regular Registration
March 7-9	Late Registration/Drop & Add
March 25-29	Spring Holidays
March 28-29	College Closed
March 11	Classes Begin
May 1	Academic Honors & Awards Convocation
May 24,27,28	Final Examinations
May 27	Senior Grades Due
May 31	All Grades Due
June 1	169th Annual Commencement

Weekend Classes

Set #1

March	15, 16
April	12, 13
April	26, 27
May	17, 18

Set #2

March	22, 23
April	19, 20
May	3, 4
May	24, 25

Summer Quarter 1991

June 6	Regular Registration
June 7,10,11	Late Registration/Drop & Add
June 10	Classes Begin
July 4	Independence Day Holiday
July 10	June Term Ends
July 15	First Two-Week Short Term Begins
July 29	Final Exams - First Two-Week Short Term
August 5	Second Two-Week Short Term Begins
August 19	Final Exams - Second Two-Week Short Term
August 19,20	Final Examinations - Evening Classes
August 23	Grades Due

Weekend Classes

Set #1

June	14, 15
June	28, 29
July	19, 20
August	9, 10

Set #2

June	21, 22
July	12, 13
July	26, 27
August	16, 17

GENERAL INFORMATION

MISSION

Athens State College is a two-year, upper-division institution operating under the authority of the State Board of Education. Located in north-central Alabama, Athens State College acknowledges a commitment to serve transfers of junior, community, and technical colleges as well as students from other institutions of higher education. The College prepares students for professional careers and for graduate school. Athens State offers nontraditional students many programs to fulfill their education and career goals. Continuing education and community services provide a variety of enrichment opportunities to the people of the region. Athens State College combines individual attention, quality teaching, and a strong liberal arts component to develop an informed individual who is prepared to function effectively in a changing society.

GOALS

1. To provide educational opportunity to postsecondary students through carefully planned and implemented programs of study.
2. To serve the student through convenient scheduling and cooperative arrangements with other institutions.
3. To recruit, retain, and promote professional development of excellent, dedicated faculty and staff.
4. To provide and maintain appropriate learning resources, supportive of student learning, quality teaching, scholarly research, and individual interests.
5. To develop and maintain periodic internal evaluation to ensure that all programs are operating within a manner consistent with the mission of the College.
6. To provide opportunities for students to expand their intellectual, social, and cultural horizons.
7. To provide and maintain a comprehensive program of student services which will provide necessary information, financial assistance, counseling, and guidance to assist progress toward personal, academic, and career goals.
8. To maintain and promote an effective student recruitment and retention program.

9. To provide educational and training programs for the diversified demands that will meet the needs of business, industry and government.
10. To promote the use of appropriate College and community resources in order to provide cultural and intellectual enrichment through a program of continuing education and community service.
11. To acquire and administer efficiently and effectively fiscal resources from the state as well as additional support from alumni, foundations, and other agencies.
12. To develop and maintain a physical plant appropriate for the support of College programs.

GOVERNANCE

Athens State College is a two-year, upper-division college operated under the control of the Alabama State Board of Education. The president is the chief executive officer of the college and is directly responsible to the State Board of Education through the Chancellor.

HISTORY

Athens State College is both the oldest and the youngest institution of higher education in Alabama's state educational system. The college was founded in 1822 by local citizens who purchased five acres of land, erected a building, and began Athens Female Academy. Ownership of the school was transferred in 1842 to the Tennessee Conference of the Methodist Church. With the birth of the North Alabama Conference of the Methodist Church in 1870, the college came under the jurisdiction of that body.

On May 10, 1974, the Board of Trustees voted to request from the North Alabama Conference of the United Methodist Church for the college to seek affiliation with the State of Alabama. The conference, at its annual meeting in June 1974, gave the Board of Trustees this permission and authorized the transfer of the college to the State of Alabama.

In June 1975, the college was accepted by the Alabama State Board of Education subject to the appropriation of operating funds by the Alabama legislature. Later that year, the legislature appropriated funds for the operation of the college to serve the graduates of state junior, community, and technical colleges/institutes.

The institution's name has changed several times in its 167 year history, following adjustments in purpose and governance. Athens Female Academy, upon transfer to the Tennessee Conference of the Methodist Church in 1842

became Athens Female Institute. Then in 1889 after having been transferred to the newly formed North Alabama conference, the college was known as Athens Female College. In 1931, the college became co-educational and was known as Athens College. In 1975, when the institution became part of the state educational system, it was renamed Athens State College, marking the initiation of an era of increased opportunity for service. Then in March, 1981, the Alabama Legislature placed Athens State College and John C. Calhoun State Community College under a single administration in order to recognize and emphasize the strengths of each institution, improve the quality of programs and eliminate duplication of programs and develop a model for all higher education in the state of Alabama." The long history of service by Athens State College is the foundation upon which the future of the college rests.



ADMISSION OF STUDENTS AND APPLICATION PROCEDURES

ADMISSION OF STUDENTS

Athens State College is unique among all institutions of higher education in the state of Alabama. Athens State is the only two-year upper-division college or university in the state. As an upper-division college, Athens State offers programs and course work at the junior and senior levels. Therefore, Athens State serves primarily a target population of graduates and transfers from junior, community, and technical colleges as well as transfers from traditional four-year colleges and universities.

A student may complete requirements for graduation as specified in the Athens State College catalog for the year he or she enters Athens State College provided he or she does so within a period of five years from his or her original date of entry. In the event that a student does not complete requirements for the undergraduate degree within a period of five years from the date of his or her entry, the College reserves the right to modify the student's program in such a way as to bring it into harmony with current degree requirements, as well as to re-evaluate credits transferred from other institutions.

Admission of Junior College Transfer Students

A junior college transfer student may be admitted to Athens State College provided he or she has earned (1) a degree from a two-year institution accredited by the Southern Association of Colleges and Schools or other regional accrediting agency, or (2) ninety-six quarter hours of college credit with a 2.0 grade point average on a 4.0 scale.

A junior college transfer student may be admitted with eighty-six quarter hours provided he or she has a cumulative 2.0 grade point average on a 4.0 scale and written permission from the academic dean of the junior or community college. (This regulation applies when the student does not plan to receive the Associate degree from the junior or community college and does not need additional courses offered at the junior college level.)

Admission of Technical College/Institute Transfer Students

A student from a regionally accredited technical college/institute may be admitted to Athens State College as a regular degree-seeking student provided he or she has completed a technical program and has received a degree, diploma or certificate. The student must submit an official transcript for review. Credit may be awarded for a maximum of sixty-five quarter hours depending on the particular technical program. Individual related subject courses and grades cannot be directly transcribed as regulated by the State Department of Education and the Southern Association of Colleges and Schools. However, certain courses may be used as substitutions or waivers for a specific course in the Athens State College degree program but will not affect the total hours residency required for that degree program. Credit earned through this method will not be used in determining the student's cumulative grade point average.

Dual enrollment in a junior or community college and Athens State College may be permitted in order to allow the student an opportunity to complete the following junior college general education requirements.

Freshman Composition	10 quarter hours
Mathematics	5 quarter hours
Science	5 quarter hours
Social Science	5 quarter hours
History	5 quarter hours

Consortium Agreement

Athens State College participates in a Consortium Agreement with The University of Alabama in Huntsville, Alabama &M University, and Oakwood College.

To participate in the program, the student:

1. Must be considered a full-time student at Athens State College.
2. May take only one (1) consortium course per quarter.
3. Must maintain at least a "C" average. (2.0 on a 4.0 scale)
4. Must secure faculty advisor's approval of the course to be taken.

The course to be taken must not be available to the student at his/her home institution and it must be in his/her approved schedule and curriculum plan.

Admission of Four-Year College Transfer Students

A student who has completed a minimum of the freshman and sophomore years at a regionally accredited four-year institution may be admitted to Athens State College as a transfer student. The student may transfer any number of credits to Athens State College; however, a minimum of forty-five of the final fifty-four quarter hours must be completed at Athens State College of which fifteen quarter hours must be completed at the main campus. A student must have a 2.0 grade point average on a 4.0 scale.

Admission of International Students

To be considered for admission to Athens State College, an international student must (1) hold an Associate degree from a regionally accredited junior, community or technical college/institute; (2) pay the application fee; (3) provide copies of all materials for evaluation, including official transcripts of any formal training; (4) provide proof of health insurance (hospitalization); and (5) may be required to complete competency testing to demonstrate proficiency in the English language.

An international student, once cleared for admission to the College, will be required to place on deposit with the Business Office of Athens State College a \$1,500 U.S. cashier's check. Such deposit may not be utilized by the student at the beginning of each quarter to cover college tuition, books, room and board. Emergency use of the deposit must be reviewed and approved by the Dean for Student Development. If any portion of the deposit is used during a quarter, it must be replenished before the student enrolls for the following quarter. A minimum of \$600 must remain in the account at all times. Such deposit shall be returned to the student upon permanent separation from the college.

Admission of Transient Students

A student wishing to be admitted to Athens State College as a transient student must complete an application for admission and provide the Director of Admissions with (1) a letter of good standing and permission each quarter from the Academic Dean of the institution in which he or she is currently enrolled, and (2) approval from said Dean for specific courses to be taken at Athens State College.

Upon completion of the course(s), the transient student must make a written request for an official transcript to be mailed to the institution in which he or she is enrolled.

Admission of Second Degree-Seeking Students

Students who seek a second degree must meet all admission requirements, complete all catalog requirements for the major in that degree, and must complete a minimum of forty-five quarter hours in residency (15 hours on the main campus) at Athens State College beyond the conferral date of the first degree.

Admission of Students on Probationary Status From Other Institutions

A student on probationary status from another institution who wishes to attend Athens State College must provide official transcripts from all colleges or universities previously attended. These transcripts will be reviewed to determine admissibility.

A student who has been suspended indefinitely from another institution during the current academic year will not be permitted to enter Athens State College. However, the student who has been out of school for more than one year after being suspended indefinitely by another institution will be considered for admissibility.

NON-DEGREE SEEKING

A student who has not completed the required number of credit hours to be accepted as a regular degree-seeking student and who wishes to pursue a limited objective may be admitted to Athens State College as a non-degree-seeking student. Non-degree seeking students should not circumvent attendance at the community/junior/technical college.

Each student should report directly to the Office of Admissions and Records for permission to enter. Records are kept of the work completed and credits are transferable. The limited study student is restricted to a maximum of ten quarter hours per term. The non-degree seeking student should provide official transcripts from any college or university previously attended.

Personal Enrichment

A person who wishes to attend Athens State College for personal enrichment or self-improvement will be limited to ten quarter hours per term with credit recorded as for a regular degree-seeking student. This student will be admitted as a special non-degree seeking student and is not required to furnish official transcripts from other colleges or universities previously attended.

Auditing

A student who is currently attending high school or who has not earned a high school diploma or equivalent may only audit courses at Athens State College. Any individual may elect to attend classes at Athens State College on an audit basis, provided he or she has completed an application for admission. Credit is not awarded for audited classes. Audited courses will be allowed on a space available basis. High school students may only audit classes at Athens State College. To change from audit to credit is allowed.

Teacher Certification

A student holding a degree from another institution and taking courses at Athens State College for teacher certification purposes is required to submit one copy of all official transcripts from each institution previously attended. These transcripts are not evaluated or recorded but are used in determining teacher certification requirements. (See "Teacher Education Certification Program," page 50.)

APPLICATION PROCEDURES

GENERAL

Application

Each student applying for admission to Athens State College must complete an application for admission and return the application to the Office of Admissions and Records accompanied by a required application fee of \$15.00. This fee covers the cost of processing the student's file and is neither refundable nor applicable to tuition.

Transcripts

The student must provide official transcripts from each college previously attended. The applicant must request that these transcripts be sent directly to Athens State College, Attention: Office of Admissions and Records, Student Union Building, Athens, Alabama 35611. A student completing a program at another institution and seeking enrollment at Athens State College without sufficient time to arrange for official transcripts prior to registration may be admitted as a conditional student with all privileges of a regular student for the quarter. A student admitted under this provision must see that official transcripts are received by the Office of Admissions and Records prior to the end of the quarter in which he or she first enrolled. Failure to do so may preclude enrollment until all transcripts are received by the Office of Admissions and Records.

Official Student Records

In accordance with Public Law 93-380, the Family Educational Rights and Privacy Act of 1974, each student and former student of Athens State College has the right to inspect his or her official educational records in the Office of Admissions and Records. This right of inspection does not apply to any confidential information submitted to this office prior to January 1, 1975, nor to access by students or former students to financial records of their parents. Under this act, the college may not release information concerning a student without the student's written permission.

The Family Education Rights and Privacy Act in its entirety is available for student reference of the Office of Admissions and Records. Each student should become aware of the provisions of this act.

Admission of Former Students in Good Standing

A student who has previously attended Athens State College and is currently in good standing, including students returning after an absence of only one quarter, can be re-admitted automatically. The returning student may complete a re-application form to update personal information, but no additional application fee will be charged.

If the returning student plans to seek a degree from Athens State College and has attended another college or university during his or her absence from the college, official transcripts must be mailed directly from the college or university attended to the Office of Admissions and Records, Athens State College, Student Union Building, Athens, Alabama 35611.

TRANSFER OF ACADEMIC CREDIT

Athens State College operates on the quarter system. Credits earned in semester hours will be evaluated on the basis of one semester hour equals one and one-half quarter hours. (Example: a three semester hour course would equal 4.5 quarter hours.) A student's overall grade point average must be a 2.0 or higher.

FINANCIAL INFORMATION

Athens State College is committed to providing a quality educational program at the least possible cost. Therefore, Athens State is especially committed to a professional and business-like approach in the management of its financial resources.

TUITION

Tuition and fees are subject to change at any point of time, subject to approval of the Alabama State Board of Education.

Alabama Residents

The Alabama resident tuition is twenty-four dollars (\$24.00) per quarter hour. All fees are due and payable at registration. No student will be allowed to defer payments.

Out-of-State and Foreign Students

Tuition for out-of-state residents or non-U.S. citizens who do not meet Alabama residence requirements is forty-eight dollars (\$48.00) per quarter hour.

HOUSING

Dormitory rooms are available through the Office of the Dean for Student Development. The cost for a double occupancy room is two-hundred and twenty-five dollars (\$225.00) per quarter. A limited number of single occupancy rooms are available at a cost of two hundred and seventy-five dollars (\$275.00) per quarter. The total per quarter cost is due at the time of student registration. A one time only fifty-dollar (\$50.00) damage deposit is required from each student, payable upon acceptance of the student as a dormitory resident. Checks are to be made payable to Athens State College.

FEES, REFUNDS, AND RETURNED CHECKS

FEES

Application Fee	\$ 15.00
Teaching Internship	\$ 50.00
Music (piano, organ, voice) one 1/2-hour lesson	\$ 45.00
Special Course Fee (labs, etc.)	\$ 25.00
Off Campus Course Fee	\$ 15.00
Late Registration Fee	\$ 10.00
Drop or Add per course change.....	\$ 5.00
Transcript of Grades (after first request)	\$ 3.00
Graduation Fee	\$ 40.00
Auditing Fee per hour	\$ 12.00
Key Deposit	\$ 2.00
Returned Check Fee	\$ 5.00
Parking Decal	\$ 1.00
I.D. Card after first time issued	\$ 1.00
Dormitory Deposit.....	\$ 50.00
International Student Deposit	\$1,500.00
Diploma Reorder.....	\$ 12.50
Facilities Fee (\$15.00 Maximum).....	\$1.00/Qtr. Hr.

Refunds

Refunds are made only after an official withdrawal information form, obtained from the Admissions and Records Office and duly completed, is filed with the Business Office. The date the Business Office receives the official withdrawal form determines the refund period. Tuition for the **regular academic year** is refundable as follows.

Regular Academic Year Refund

Withdrawal Period	Percent Refundable
Prior to first day of classes each quarter	100%
During the first week	75%
During the second week	50%
During the third week	25%
After close of third week	0%

Tuition for the **weekend** and **short term classes** is refundable as follows:

Weekend Class Refund

Before first weekend class.....	100%
Before the first session of the second weekend class.....	75%
Before the first session of the third weekend class	50%
After the beginning of the third weekend class.....	0%

Short Term Refund

Before first class meeting	100%
Before 5:30 p.m. of the first day	75%
Before 5:30 p.m. of the second day	50%
Before 5:30 p.m. of the third day	25%
After third day.....	0%

The percentage refundable is calculated on the net amount after the non-refundable portion has been deducted. Fees are non-refundable.

Room prorated weekly. Any part of a week shall constitute a full week.

In unusual circumstances such as illness or official government orders, **students may petition the Academic Dean for special consideration.**

Generally, refund checks will not be issued before the end of the sixth week of the quarter. Drop fees are deducted from tuition refund.

Returned Checks

Students whose checks fail to clear their bank accounts, for whatever reason, including "Insufficient Funds", "Account Closed" or "payment Stopped", must pay a \$5.00 returned check fee. If the check in question is for payment of tuition, an additional \$10.00 late fee will be charged.

All checks not cleared are forwarded to the Limestone County District Attorney for collection.

Scholarships

Academic, leadership, and foundation scholarships are available at Athens State College. Please check with the Athens State College Student Financial Services Office for information on criteria and how to apply.

Grades Withheld

A student failing to meet his or her financial obligations to the college may have his or her quarterly grade report and all

other academic transactions withheld until such obligations are cleared through the Business Office. Such obligations include unpaid fees, overdue library books, damaged or unreturned college equipment, dormitory damage, unpaid student loans, and parking fees. A student may be withdrawn from classes and not permitted to register until he or she has cleared his or her financial obligations.

FINANCIAL AID

Students Rights and Responsibilities

A consumer information brochure will be published annually by the Office of Student Financial Services. This brochure will contain detailed information and institutional policies and procedures for the various forms of financial aid. The brochure will also contain any necessary revisions to financial aid programs due to any changes in federal or state regulations.

VETERANS EDUCATIONAL BENEFITS PROGRAM

Eligibility (Chapter 30 - Montgomery G.I. Bill)

Individuals entering military service on or after July 1, 1985, have their basic military pay reduced by \$100 a month for the first 12 months of their service, in order to be eligible for this educational assistance program. Individuals eligible for the Old G.I. Bill (Chapter 34) as of December 31, 1989, who meet certain eligibility criteria may also be eligible but cannot have their basic pay reduced.

Unlike most other VA educational assistance programs, in order to be eligible for Chapter 30, the veteran must have been released from active duty with the character of discharge specifically listed as "Honorable."

Persons on active duty must have served a minimum of two years continuous active duty before becoming eligible to receive benefits under Chapter 30.

Additional information about this program can be obtained from the Office of Veterans Affairs.

Application

If benefits have never been received previously, the student must complete VA Form 22-1990 (Application for Educational Benefits). A copy of the DD 214 must be submitted along with the application. If benefits have been received previously at another institution or if benefits have been used in another program, the student must complete VA Form 22-1995. All necessary forms are available in the Office of Student Financial Services.

Eligibility (Chapter 106 - Selected Reserve)

This program provides benefits for members of the Selected Reserve and National Guard who enlisted, reenlisted, or extended their enlistment for a period of six years after July 1, 1985.

Application

If benefits have never been received previously, the student must complete VA Form 22-1990. A copy of the DD Form 134 (Notice of Basic Eligibility) must be submitted along with the application. If benefits have been received previously at another institution, the student must complete VA Form 22-1995. All necessary forms are available in the Office of Student Financial Services.

Selection of Program

In consultation with an admissions counselor or an academic advisor, each veteran student must select and plan a program in accordance with the Athens State College catalog. Assistance in determining a course of study or a change of program will be furnished by the Office of Student Financial Services.

Course Load

A full-time course load for a student receiving veteran's benefits is twelve quarter hours or more; a three-quarter time load is nine quarter hours, a one-half time load is six quarter hours. Less than six quarter hours is considered less than one-half time.

Current VA regulations apply for all short term courses which do not satisfy the minimum amount of contact hours per week, regardless of the amount of credit hours earned for such courses. For complete information regarding "short term courses" contact the Office of Student Financial Services.

Standard of Progress

The following standards must be met in order for veterans or other eligible persons to receive VA benefits:

1. grading system as required by the academic standards of the school,
2. satisfactory grade level as required by the academic standards of the school,
3. probation and probationary periods as required by the academic standards of the school,
4. conditions for dismissal, suspension, and readmission as required by the academic standards of the school, and,
5. satisfactory student conduct as required by the rules and regulations of the school.

In addition to failing to meet the standards of the school, the student who receives VA benefits will have his or her pay suspended should he or she make the grades of "F" and "I" preventing completion of his or her program within the required time limit. Reports of unsatisfactory progress or conduct will be made to the Veterans Administration Regional Office and the student may require counseling.

Withdrawal Policy

Students who receive veterans benefits must notify the Office of Student Financial Services when dropping or adding a course and when withdrawing from school. Each withdrawal or drop resulting in a reduction in the course load must show

(1) the effective date of the change, (2) the reason for the change, and (3) the grade level at the time of the change if after the drop and add period. The withdrawal policies of the school also apply.

PAYMENTS AND RESPONSIBILITIES

Receipt of Checks

A student who completes an application at the beginning of the quarter should expect a VA processing period of about six weeks. If the estimated time has elapsed and a check has not arrived, the student should contact the Office of Student Financial Services immediately and, if the case warrants, an inquiry will be made to the Regional Office.

Payment

Since Athens State College does not participate in the advance payment plan for veterans, tuition and fees must be paid in full at the time of registration (except for those veterans receiving Vocational Rehabilitation). Veterans receiving Vocational Rehabilitation are eligible to register without payment of tuition and fees providing that an award authorization letter has been received prior to the registration period.

Overpayments

Each veteran drawing benefits should be aware that it is his or her responsibility to comply strictly with the policies and procedures which govern the receipt of educational benefits. Any overpayment created through non-compliance with veterans policies is subject to repayment, and such overpayment can cause a delay in the payment of further benefits.

Responsibilities

It is the responsibility of the veteran and dependents receiving VA benefits to notify the Office of Student Financial Services of the following:

- A. Major subject
- B. Prospective graduation date
- C. Changes
 - 1. Drops and/or adds
 - 2. Credit level
 - 3. Major
 - 4. Dependency status

OTHER TYPES OF ASSISTANCE

Dependents Education Assistance Program

The Dependents Educational Assistance Program provides for the education of dependents of veterans who were either killed or permanently disabled while in the service. Those dependents of service persons termed missing in action or forcibly detained are also eligible. Payments of up to \$376 a month for a maximum of forty-five months are usually provided for children between the ages of eighteen and twenty-six. Marriage does not interfere with this benefit.

Post-Vietnam Veterans (VEAP) Educational Assistance Program

The Post-Vietnam Veterans Educational Assistance Act is basically a voluntary, contributory matching program for persons entering the service after December 31, 1976. Benefits are accumulated from the participant (service person) and matching funds from the VA at the rate of \$2.00 for every \$1.00 contributed by the participant. The participant's contribution is limited to the range of \$50 - \$75 monthly up to a maximum of \$2,700. The basic cut-off date is ten years after the last date discharged from active duty after January 1, 1977. Entitlement is limited to a maximum of thirty-six months or the number of months of participation, whichever is less.

Work Study Program

To be eligible for work-study a veteran must be enrolled in a full-time course of education under the GI Bill of the Veterans Vocational Rehabilitation Program. Preference is given to disabled veterans. Attempts are made to capitalize on the student's major area of study so that the work performed will be a practical extension of his or her education. Veterans may work up to a maximum of 250 hours per enrollment term. Payment for the work performed is at the prevailing minimum hourly wage rate in addition to the usual subsistence allotment. An advance equal to the first one hundred hours of work is available as soon as the employment agreement is processed. After the initial one hundred hours, the VA pays the work-study student after each additional fifty hours of work.

Tutorial Assistance Program

Veterans enrolled on a half-time or greater basis may receive a special allowance for individual tutoring. To qualify, the veteran must demonstrate deficiency in a particular subject making tutoring necessary. Each tutor's qualifications must be reviewed and approved by the Office of Student Financial Services. Under this program a veteran may receive up to \$84 per month with a maximum of \$1,008 in tutorial fees.

GENERAL INFORMATION

The Veterans Assistance Program at Athens State College is based on the rules, regulations, policies and procedures of the Veterans Administration and as such is subject to change without notice. Current information concerning pay scales and other educational benefits is available in the Office of Student Financial Services.

STUDENT AFFAIRS

Athens State College students are strongly encouraged to participate in campus extracurricular activities, and to utilize the services provided by the College. Additional detailed information concerning these activities and services, the rules and regulations relative to student conduct, and student rights and responsibilities is found in the Student Handbook.

STUDENT GOVERNMENT ASSOCIATION

All members of the student body belong to the Student Government Association. Officers and organizational representatives are elected annually. The college organizational structure provides for and encourages democratic student involvement in the affairs of the College.

The Student Government Association meets at regular intervals and the meetings are open to all students who wish to observe the proceedings. Every student should feel at liberty to make suggestions to the Student Government Association, to any committee, or to any officer of the college administration.

CLUBS AND ORGANIZATIONS

Biology Club

The purpose of this organization is to advance academic and research interest in biological sciences and to enrich the biology program at Athens State College. Students developing a major or minor in Biology are eligible for membership.

Physical Education Club

The purpose of this organization is to develop leadership, scholarship and professional awareness in students majoring or minoring in Physical Education at Athens State College.

Psychology Club

The Psychology Club, composed of students majoring or minoring in Psychology or the Behavioral Sciences, has as its major objective the advancement of Psychology as a science and the enrichment of the Behavioral Science program at Athens State College. The Psychology Club has been instrumental in facilitating certain curriculum changes such as the introduction of a course in biofeedback and in securing experimental laboratory equipment. The Club maintains an updated graduate catalog file and assists in a variety of departmental research projects.

The Psychology Club's academic functions are balanced by sponsoring and promoting numerous campus activities, most of which are designed to stimulate student involvement and to provide interaction among students, faculty, and administration.

Bear Paw Spirit Club

This club's purpose is to promote unified and organized school spirit through support of the Athens State College basketball team. Membership is open to all Athens State College students.

Phi Beta Phi

Students with acceptable grades, a major or minor in one of the sciences, and a sophomore standing may belong to this national honorary science fraternity.

Delta Mu Delta

This is the national honor society in Business. Candidates for membership are scholastically qualified students of good character who have completed at least half of the work required for a B.S. degree in Business Administration or Accounting. New members are selected by the active student members each spring from only the top 20 percent of each class, based on cumulative grades. To be considered, a student must have a minimum 3.6 grade point average in all coursework including business and accounting classes.

Kappa Delta Pi

Kappa Delta Pi is a national education honor society. Students are eligible for consideration when they have accumulated enough credit hours to reach senior status. Students are selected by a committee which evaluates them for outstanding academic achievement, scholarly ideals, and professional promise.

Sigma Tau Delta

The English honor society is a member of the National Association of College Honor Societies and is open to English majors and minors and to published writers, mainly of upper division status. The organization sponsors an annual campus-wide writing contest. The Kappa Zeta chapter was founded here in 1954.

Phi Alpha Theta

Phi Alpha Theta is an international honor society in history. Membership is open to students, professors and alumni who have achieved excellence in history. The Alpha Beta Lambda chapter was established at Athens State College in 1984.

Ministerial Association

Students entering church-related work are members of this organization.

Psi Tau Chi

This is a national honorary religious society. Membership is by invitation for outstanding service in religious activities.

Psi Chi

Psi Chi is a national honor society in psychology. Membership is open to students, professors, and alumni who have achieved excellence in psychology. Psi Chi was established at Athens State College in 1985.

SOCIAL FRATERNITIES

One national women's social fraternity, **Phi Mu** and one national men's fraternity, **Tau Kappa Epsilon**, have chapters on the Athens State College campus.

PUBLICATIONS

The Student Handbook is a compilation of rules and regulations affecting or governing student life at Athens State College. It also includes a detailed calendar of events.

The Athenian, the college newspaper, provides an opportunity for students to develop in the field of journalism and to express themselves on campus issues.

The Gyre is an annual student publication which gives the student an outlet for creative writing. All stories, poems, and plays are student written.

The Athens State College Alumni Bulletin keep the active alumni, their families and friends informed about the institution and the association.

ATHLETICS, INTRAMURALS, AND CAMPUS RECREATION

Intercollegiate Athletics

Athens State College is a member of the National Association of Intercollegiate Athletics (District 27). Athens State College has an Intercollegiate women's softball team and men's basketball team. The Athens State College "Bears" have established a winning tradition in basketball.

Intramural Program

The intramural program is designed to provide athletic competition among Athens State College students. This program includes football, volleyball, basketball, tennis, golf, ping pong, softball and weight training.

Campus Recreation Program

Excellent on-campus recreational facilities are available for use by students, their immediate families, and citizens of the Athens community. These facilities include the Carter Physical Education Center (gymnasium, swimming pool, weight rooms) and the Student Center (gameroom, TV lounge, "Bear Cage" snack bar).

STUDENT SERVICES

Library

All currently registered Athens State College students are encouraged to make full use of the library and its facilities located in Founders Hall. The Athens State College Library has in its collection approximately 75,000 volumes, current and back issues of over 300 periodicals, and current subscriptions to eleven daily and weekly newspapers. Library policy allows students access to the resources of neighboring college libraries (John C. Calhoun State Community College, the University of Alabama in Huntsville, and Alabama A&M University).

Business Office

The Business Office handles financial transactions including check cashing and the issuance of campus parking permits.

Bookstore

Located on the lower level of the Student Center, the Bookstore carries a full line of college textbooks, instructional and educational materials, and a variety of items incidental to student needs.

Post Office (Promotional Services)

Athens State College provides post office boxes free of charge to their students. The Post Office is located on the lower level of the Student Center.

Testing Services

Athens State College offers certain testing programs for the convenience of Athens State College students and the community. Information pertaining to these programs can be obtained in the Special Services Office located on the lower level of the Student Union Building.

Testing services offered by Athens State College include:

- *College Level Examinations Program (CLEP)
- *GED Examinations
- *English Language Proficiency Test
- *Miller Analogies Test (Note: This test is administered by appointment only in the Psychology Department.)

The Student Center

The following offices and student services are located in the Student Center:

Admissions Counseling
Admissions and Records Office
Bookstore
Campus Post Office
Career/Job Placement Service/Cooperative Education
Dean for Student Development Office
Evening Services Office
Nontraditional Academic Credit Evaluation Office
Office of Student Financial Services
Food Service/"Bear Cage" Snack Bar
Housing
Promotional Services
Special Services Office
Student Activities
Student Government Association
Study Lounge
Testing Service

Brown Hall

The following offices are located in Brown Hall:

Office of the President
Office of the Assistant to the President
Office of the Academic Dean
Office of the Assistant to the Academic Dean
Office of Continuing Education and Community Services
Development Office

Founders Hall

The following offices and student services are located in Founders Hall:

Alumni Office
Business Office
Library



Athens State College National Alumni Association

The Athens State College Alumni Association's mission and goal is to enhance the feeling of loyalty and commitment to the institution and its alumni.

The Alumni Association provides services and programs for its thousands of alumni throughout the world. All functions and services are coordinated and administered by the Office of Alumni Affairs located in Founders Hall.

The Athens State College Alumni Bulletin and other alumni publications keep the active alumni, their families and friends informed about the institution and the association.

Traditional programs such as the annual Homecoming Weekend, the Fifty-Year Club Celebration and the annual Summer Fest, in addition to chapter meetings, insure opportunities for socialization and sharing among the Athens State College family of alumni, students, faculty, staff and friends.

Career Placement

The Career/Job Placement Office is a library containing job seeking material, resume' writing instructions, helpful hints on interviewing and other related material for job-seekers.

It is the aim of the Career/Job Placement Office to assist the student in making sound career choices and at the same time provide employers with well-trained employees. Job announcements, educational activities and graduate school bulletins are posted for daily viewing. Monthly periodicals are available for up-to-date information in various employment fields. The Career/Job Placement Office is an information center. It does not function as an employment agency. The following kinds of information can be found in the Career/Job Placement Office:

- *Alumni Placement

- *Career Library

- *Graduate School Information

- *On-Campus Interviews

- *Career Information

- *Current Job Announcements

- *Job Information

- *Schedules of recruiters seeking future employees

Students entering the last quarter of academic study should fill out the necessary forms to be considered for career placement assistance.

Continuing Education and Community Services

The Continuing Education and Community Services Program operates as an integral part of Athens State College and is primarily concerned with the special studies aspects of the educational process within the college and the community.

The role of the Continuing Education and Community Services Program is prescribed in Standard Nine of the College Delegate Assembly of the Southern Association of Colleges and Schools.

Basic types are developed to meet the following needs: (1) non-credit courses, (2) seminars, (3) conferences, (4) institutes, (5) workshops, and (6) CEU courses. (Athens State College does not accept continuing units (CEU's) for academic credit.)

These programs are developed to meet the following needs: (1) business and professional development, (2) personal enrichment, and (3) leisure activities.

Recommendations for course offerings may be made by students interested in a particular subject, by employers desiring to upgrade their employees' effectiveness, by potential instructors who recognize a need and an interest in a particular subject matter, and course coordinators.

Servicemembers Opportunity Colleges General Registry

Athens State College has been designated as a member of the Servicemembers Opportunity General Registry. Athens State is committed to providing better access to quality programs for military personnel. Information on the S.O.C. program may be obtained from the Academic Dean's office.

Servicemembers Opportunity Colleges (SOC) are sponsored by the American Association of State Colleges and Universities (AASCU) and the American Association of Community and Junior Colleges (AACJC).

Redstone Arsenal Extension

Athens State College operates an extension site on Redstone Arsenal. The Extension Office is located in Building #3222. Day and night classes are held in Building #3222 and 3650. The office is open Monday through Friday from 8:30 a.m. until 4:30 p.m. For the convenience of the Athens State students who attend the extension, admission procedures, counseling, registration and other school business may be taken care of through the Extension Office. Any Athens State College student may take courses at the Redstone Extension, however, active military, military dependents and civil service employees at Redstone have priority. Other students may take courses on a space available basis.



ACADEMIC AFFAIRS

DEGREE OPTIONS

Athens State College offers three baccalaureate degree options: the Bachelor of Arts degree, the Bachelor of Science degree, and the Bachelor of Science in Education degree. Each degree program has been examined and accredited by the Southern Association of Colleges and Schools.

Some General Education Requirements may carry specific course requirements. Students should refer to their major section of the catalog for specifics.

Bachelor of Arts

The degree of Bachelor of Arts is awarded to students who satisfactorily complete the following general education requirements, requirements for the major and minor in their program of study and applicable general college requirements (page 33).

English Composition	10 quarter hours
Literature	10 quarter hours
History	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	15 quarter hours
Social Science Electives	5 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Science (May include one approved Computer Science Elective)	15 quarter hours
Mathematics	5 quarter hours

Bachelor of Science

The degree of Bachelor of Science is awarded to students who satisfactorily complete the following general education requirements, requirements for the major (and minor, if applicable) in their program of study, and applicable general college requirements (page 33).

English Composition	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science Electives	10 quarter hours
Behavioral Science Electives	10 quarter hours

Natural Science (May include one approved Computer Science elective)

15 quarter hours

Mathematics

5 quarter hours

(The 20 quarter hours in natural science and mathematics are superseded by specific course requirements for students majoring in a science or technology.)

Bachelor of Science in Education

The degree of Bachelor of Science in Education is awarded to students who satisfactorily complete the general education requirements, professional education requirements, requirements for the major(s) in their program of study, and applicable general college requirements (p. 33).

The student is referred to the Division of Education section of the Catalog to determine specific program requirements. General college requirements are found on page 33.

ACADEMIC POLICIES

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR INSURING THAT HE OR SHE KNOWS THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

Academic Advising

Upon admission to Athens State College, each student is assigned a faculty member to serve as an advisor. The student should confer with his or her advisor at least once each quarter. Although the student bears final individual responsibility for meeting all degree requirements, the academic advisor will assist in planning the student's academic program. Adjustments of a curriculum must be approved by the Academic Dean.

Credit Hours

The Athens State College calendar consists of quarter-length terms; the unit of credit is the quarter hour. Course descriptions indicate the number of quarter hours which may be earned for a particular course.

Grade Points and Letter Grades

For each hour of credit in a subject, the letter grade is equated to grade points as follows:

"A" 4.0 Points

"D" 1.0 Points

"I" Incomplete

"B" 3.0 Points

"F" 0.0 Points

"C" 2.0 Points

"W" Withdrawn

"AU" Audit

Class Hour Load

The normal class hour load for a full-time student is 15 to 18 hours per quarter (including the Summer quarter.) Students who wish to take more than twenty hours must secure written permission from the Academic Dean; however, the maximum load is twenty-three quarter hours. Permission will be granted for an overload (21-23 quarter hours) if the student meets one of the following criteria:

- (1) The student is a graduating senior
- (2) The student meets the following minimum grade point average requirements:

Grade Point Average	
3.2	20 hours
3.3	21 hours
3.4	22 hours
3.5	23 hours

- (3) The student is experiencing a scheduling problem resulting from the time frame of certain course offerings and program requirements.

Audited Courses

Upon recommendation of his or her advisor, a student may audit a non-laboratory course. Students should attend class under the same obligation as the credit student although they are not required to complete scheduled examinations. Standard registration procedures apply. The cost is one-half the regular tuition cost plus the appropriate fees. No change from audit to credit is allowed. Audited classes are on a space available basis.

Directed Study/Research Courses

With approval of their faculty advisor and appropriate division head, Athens State College students may complete no more than 10 quarter hours of Directed Study/Research credit during their academic study with the College. Such directed research must be conducted in the student's major area of study.

Student Classification

Juniors - Students who have earned a minimum of ninety-six quarter hours of credit or who have received an Associate degree from an accredited two-year college.

Seniors - Students who have completed a minimum of 144 quarter hours of credit.

Non-Degree Seeking - Student not seeking a degree.

Second Degree

Students who seek a second degree must meet all admission requirements, complete all catalog requirements for the major in that degree, and must complete a minimum of forty-five quarter hours in residency (15 quarter hours on the main

campus) at Athens State College beyond the conferral date of the first degree.

Transfer Credit Restrictions

After achieving junior status or ninety-six quarter hours, a student may not transfer credit for courses taken at a junior college except by prior written permission from the Academic Dean.

Transfer students who have completed a major before enrolling at Athens State College may be required to take selected courses for the major at this institution.

Course credit taken at the graduate level or applied toward a graduate degree will not be accepted at Athens State College or recorded on the Athens State College transcript. However, certain courses may be used as substitutions or waivers for a specific course in the Athens State College degree program but will not affect the total hours residency required for that degree program.

Correspondence Credit

Any extension or correspondence credit must be from a regionally accredited college or university, not to exceed eighteen quarter hours. The student must petition through his or her advisor and in turn obtain permission from the Academic Dean for credit through extension or correspondence courses.

Transient Credit

Any student in good standing who desires to take a course at another college and transfer credit to Athens State College must first petition to do so through his or her advisor. A letter of permission must be obtained from the Admission and Records Office. **Once a student has reached junior standing, special permission must be obtained from the Academic Dean to return to a junior college.** Students on probation are ineligible to enroll for transient credit at other institutions.

Academic Probation and Standards of Progress

The Athens State College policy to unsatisfactory academic progress is designed to assist the student in meeting and maintaining a level of achievement that will assure reasonable progress toward graduation. All students should be aware that a cumulative grade point average of 2.0 on a 4.0 scale is required for graduation. Students should consult the section of the catalog relating to their major to determine any G.P.A. restrictions. Students with probationary status at Athens State College cannot receive permission to take coursework from another institution. Credit earned at another institution may not be used to clear probationary status at Athens State College.

Academic Dismissal

An academic review of each student's record occurs at the completion of each term. Any student whose grade point average at Athens State College falls below 2.0 is immediately placed on academic probation. A student whose subsequent grades indicate improvement but who fails to raise his or her grade point average to 2.0 will be placed on probation (continued normally not more than two quarters) to allow time to repeat courses or otherwise raise the grade point average.

to the 2.0 minimum. Failure to raise the grade point average to the 2.0 minimum by the end of the second quarter after which a student has been placed on probation will result in that student being academically dismissed from the college. (A grade of "I" indicating an incomplete grade is computed into the grade point average in determining a student's probationary status.) However, any student who fails to attain at least 1.0 grade point average during any term may be subject to academic dismissal.

Readmission

Students who are academically dismissed may be readmitted to the college after one quarter. Such students are not automatically readmitted but will be given consideration.

Restrictive Probation

Upon readmission from academic dismissal, the student is placed on restrictive probation. Students on restrictive probation must maintain a minimum of 2.0 grade point average each quarter. Failure to maintain the required 2.0 after being placed on restrictive probation will cause the student to be placed on indefinite suspension and dropped from active student status.

Suspension

Students placed on indefinite suspension will not be considered for re-admission for at least one full academic year. After the one year suspension, a student must then apply to the Admissions Committee for readmission. The student must make a written request to the Director of Admissions at least one month prior to the registration period of the intended term of re-entry.

Students with probationary status at Athens State College cannot receive permission to take coursework from another institution. Credit earned at another institution may not be used to clear probationary status at Athens State College.

Letter grades of "A", "B", or "C" represents levels of accomplishment sufficient to allow the student to make satisfactory progress toward graduation. "D" level work is considered inferior and the minimum-level accomplishment that will allow the students to continue their studies at Athens State College. A grade of "F" is assigned to the student who (1) fails to meet minimum course requirements, or (2) voluntarily discontinues class attendance without officially withdrawing.

A grade of "W" will be assigned to a student who officially withdraws during the first six (6) weeks of the regular quarter.

A grade of "I" will be given only under extenuating circumstances and normally will be used to indicate either (1) the student has secured instructor's permission to complete missing or late work, or (2) the student has obtained prior permission from the Academic Dean to take a make-up final examination. Other possible valid reasons for assigning a mark of "I" must be decided by the instructor and the Academic Dean.

A student receiving a grade of "I" in any quarter should be aware that the requirements to remove the "I" must be completed before the end of the next quarter or the "I" automatically becomes an "F". For the purpose of computation "I" is always evaluated as "F" until a grade change is made.

Grades of "W", and "AU" do not affect the quality point average.

Class Attendance

It is accepted academic philosophy that sustained class attendance is essential to the overall educational value of a course of study in higher education. In order to achieve maximum benefit from educational activities, Athens State College expects regular class attendance from all students. Those students receiving veterans' benefits are required to attend classes according to the regulations of the Veterans Administration.

The standards of performance to be met by each student, including specific attendance regulations for each course will be set by each faculty member for his or her own course. Class attendance policies and other course requirements will be published in the course syllabus and will be discussed in detail by the faculty member on the first day of classes each quarter. It is important that the student secure a copy of each course syllabus from the instructor on the first day of class or from the divisional offices prior to the beginning of classes. A student's performance in relation to the established standards and class attendance regulations shall determine the student's grade in a course. Any student who must miss an examination has the responsibility for notifying the faculty member as soon as is practical.

Course Grade Review

Athens State College provides a procedure through which students may request a review of the final grade received in a course work taken at Athens State College. Such requests must be made in writing within 30 days of the official end of the quarter during which the course was taken. A form for filing this request can be obtained from the office of the Academic Dean. The decision to change or let stand the final grade received in a course taken at Athens State College is the exclusive right and prerogative of the professor who taught the course and is absolute and final. Students will be notified in writing of the decision by the professor or by the office of the Academic Dean.

Repeated Courses

A student who has made an unsatisfactory grade in a course and who wishes to repeat the course to earn a higher grade must repeat the course at Athens State College. A grade earned with Athens State College will be listed on the official transcript, but only the last course attempted will be used in computing the grade point average and will be applied toward the degree.

Repeated Courses for Veterans Receiving Educational Benefits

If a veteran fails a required course, they may repeat that course with pay. However, they cannot repeat a course just to improve a grade and receive payment through the Veterans Administration.

Continuing Education Units. Athens State College does not accept continuing education units (CEU's) for academic credit.

Non-Traditional Credit

Evaluation of non-traditional credit is based on the proposition that it is sound educational practice for colleges and universities to grant academic credit for quality educational programs conducted by non-collegiate organizations.

The student who makes application for non-traditional credit must have been accepted for admission and must have maintained enrollment at Athens State College for a minimum of one academic quarter. Transcripts from all previously attended colleges and universities must be on file in the office of the registrar before an evaluation is processed. Credit from non-traditional sources will not be granted if such credit duplicates other college credit. Non-traditional credit is granted only if such credit is applicable to the student's course of study. A maximum of 96 quarter hours earned through non-traditional sources may be applied toward a student's degree requirement.

Publications used as guides in the office of Non-Traditional Credit are as follows:

The American Council on Education (ACE)

A. Guide to the Evaluation of Educational Experiences in the Armed Services.

Volume 1 - Army Courses

Volume 2 - Army MOS's

Volume 3 - Navy Courses and Occupations

Volume 4 - Air Force, Coast Guard, Department of Defense (DOD) and Marine Corps Courses and Occupations.

B. The National Guide to Educational Credit for Training Programs.

The Directory of the National Program of NonCollegiate Sponsored Instruction (Formerly a Guide to Educational Programs in NonCollegiate Organizations).

Other Guidebooks and Manuals as provided by appropriate accrediting agencies.

Non-Traditional Credits, the documentation requirements and the procedures to be followed are presented in the following section by category.

Military Training - Athens State College may award credit to students who have served in the Armed Forces and have completed specialized training provided the following documentation is received:

1) copies of DD214, Form 2-1, Form 20 or other documentation of military courses or training.

2) copies of certificates, awards, and/or other related military courses or training.

Military documentation will be evaluated in conformance with:

1. Military Occupational Specialities (MOS)

The applicable MOS is located in the ACE Guide. If the MOS is listed, the appropriate college credit will be granted based on the exhibit date and the ACE course credit recommendation.

2. Military Education

The applicable course number(s) are located in the ACE Guide. If the course(s) are listed, the appropriate college credit will be granted based on the date and place the course(s) were taken and the ACE course credit recommendation.

Military credit may be awarded at the lower division or upper division category in accordance with ACE recommendations. Duplications of credits will not be granted.

The decision to accept military credit evaluations toward specific courses in a degree program will be made by the student's academic advisor.

Vocational/Technical/Training Athens State College may award credit for vocational and technical professional education provided the following documentation is received:

1. Documentation for teaching professional education such as a letter from director or president specifying length of tenure as teacher, and validating the successful nature of the experiences.
2. Documentation status card (Journeyman status card, apprenticeship certificate or Journeyman examination credentials.
3. Documentation of additional training which includes any certificates, letters or transcripts of additional technical training and official transcripts from all previously attended educational institutions.

Work experience credit may be validated by the National Occupational Competency Testing Institute (NOCTI) or another comparable examination of competency approved by the Postsecondary Education Services of the State Department of Education.

For certification requirements, at least three years compensated work experience in the technical specialty is required for those who have completed a formal postsecondary technical training program; those who have not completed the formal technical training must have completed six years compensated work experience in the technical specialty.

The decision to award vocational/technical/professional education credits will be made by the Director of Vocational Education.

Nursing Training - Athens State College may award credit to a student who has completed a professional training program and holds a license. The following documentation is required:

- (1) official transcripts of educational training
- (2) copy of license or proof of successful completion of the State Board Examination
- (3) documentation of work experience in the related field such as letters from employers and/or documentation of teaching in related field to include dates and positions held.

The decision to accept nursing and other professional training evaluations toward specific courses in a degree program will be made by the student's academic advisor.

Business and Proprietary Schools. Students who have completed a program from a regionally accredited business or proprietary school may be granted up to sixty-five quarter hours for their training. During the admissions process, each student's previous work will be reviewed to ascertain the entry study level of the student. Individual related subject courses and grades cannot be directly transcribed as regulated by the State Board of Education and the Southern Association of Colleges and Schools. However, certain courses may be used as substitutions or waivers for a specific course in the Athens State College degree program but will not affect the total hours residency required for that degree program. Credit earned through this method will not be used in determining the student's cumulative grade point average.

Work Experience Based Academic Credit Up to a maximum of 20 quarter hours of senior college credit may be earned through a process that involves validation of appropriate work experience credit and demonstration of academic competency through a written examination. Such credit is available for selected courses taught by Athens State College. The student's academic advisor should be consulted to determine the specific course(s) in which credit may be awarded through this process. The procedures for the evaluation of such credit are as follows:

- (1) The student who wishes to apply for the Basic Technical Specialty must present valid documentary evidence of at least six years successful work experience in a specific technology.
- (2) The request must be made in writing to the Head of the Business Division or to the office of Non-Traditional Credits.

The decision to award academic credit for Technical Work Experience will be made by the Division Head. The decision is final and absolute. A filing fee of \$50.00 is required for evaluation under this process. The fee is non-refundable.

Police Academies - Athens State College may award credit to students who have completed police academy training and also have work experience with law enforcement agencies. The procedures for evaluation of such credit are as follows:

- (1) The student must submit documentation or proof of police academy training
- (2) The student must submit letters of documentation from supervisors or employers indicating dates of service and positions held.

The decision to accept credit for police academies will be made by the Justice Studies academic advisor(s).

College Level Examination Program (CLEP) - Athens State College honors credit earned through the College Level Examination Program (CLEP), providing appropriate scores are achieved. Students enrolling or enrolled at Athens State College who are interested in attempting the College Level Examinations should consult the Office of Special Services or the Admissions Office for information.

A student may not receive CLEP credit for any previously attempted college course. Since CLEP is accepted as non-graded credit, it cannot be used in order to raise the grade point average.

All CLEP examinations are accepted as freshman-level credit.

Although credit may be awarded by the college, applicability toward the degree program is determined by the division concerned.

Credit earned under the Defense Activity for Non-Traditional Education Support (DANTES), and the United States Army Forces Institute (USAFI) may be granted by Athens State College. Official transcripts of these scores must be mailed directly to the Office of Admissions and Records.

Highlight DANTES + USAFI. State it will be given as CLEP is -

Other Means of Earning Non-Traditional Credit

Credit may be awarded from other professional associations and government agencies provided proper documentation is submitted and accepted as appropriate.

For additional information on Non-Traditional Academic Credits, students should contact their academic advisor or the Office of Non-Traditional Academic Credits.



GENERAL COLLEGE REQUIREMENTS

A student expecting to receive a degree from Athens State College should apply for graduation not later than the registration period of the term in which he or she expects to graduate. A student must meet satisfactorily all college requirements and financial obligations before the degree is awarded.

To graduate, each student must meet the following general college requirements:

- (1) Forty-five of the last fifty-four quarter hours of study with Athens State College.
- (2) A minimum of fifteen quarter hours on the Athens State College main campus.
- (3) Sixty-three quarter hours of 300/400 level college credit.
- (4) A minimum of twenty quarter hours of upper division (300/400) level coursework in his or her major at Athens State College, not including courses taken by consortium arrangement. Divisional or departmental regulations may require more than twenty quarter hours of coursework in the major at Athens State College.
- (5) A minimum of ninety-six quarter hours of senior college credit.
- (6) All course requirements for major(s).
- (7) All course requirements for minor (if applicable).
- (8) General Education requirements for the degree.
- (9) An overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State and at least a 2.0 in the major field.
- (10) A total of 192 quarter hours including all the above.
- (11) The teacher certification requirements (if applicable).
- (12) No more than ninety-six quarter hours of non-graded college credit is applicable toward the degree.

ACADEMIC PROCEDURES

Drop and Add

For a period specified in the college calendar immediately following registration periods, courses may be dropped and other courses added upon completion of the following requirements:

- (1) The student must complete the appropriate forms in the Office of Admissions and Records
- (2) The student must make payments as required in the Business Office and
the students are responsible for notifying the academic advisor of schedule changes.

(NOTE: Each change in class schedule requires a \$5.00 drop or add fee.)

Those attending the college and receiving veterans benefits or financial aid must check with the Coordinator of Student Financial Services prior to making a change in schedule.

Withdrawal

A student may withdraw from a course with a grade of "W" at any time during the first six weeks of the regular quarter. After this date, a withdrawal "W" will be possible only with permission of the faculty member concerned. A student not following these procedures will receive the grade of "F".

Withdrawal from classes is not complete until the student has been cleared through the Office of Admissions and Records. Special regulations pertain to those receiving veterans benefits or financial aid, and those individuals should confer with the Coordinator of Student Financial Services prior to initiating a withdrawal action. Specific dates for withdrawal will be included in the schedule each quarter.

Adjustment of Curriculum

The following adjustments of a student's curriculum necessitate completion of a Petition for Adjustment of Curriculum form in consultation with the student's academic advisor:

- (1) change to a more recent catalog
- (2) change of major/minor
- (3) change of degree
- (4) substitution for required course
- (5) waiver of required course

ACADEMIC HONORS AND AWARDS

Convocation

During the commencement period each spring there is a special honors convocation at which time students with outstanding academic achievements are recognized. To be eligible for selection for special convocation recognition student must have thirty quarter hours credit in residence on record at Athens State College.

Dean's List

The Dean's List is published each quarter and includes the names of students who have attained a 3.75 through 4.0 grade point average on at least fifteen quarter hours of course work for a specific term.

Honorable Mention List

The Honorable Mention List is published each quarter and includes the names of the students who have attained a 3.5 through 3.74 grade point average on at least fifteen quarter hours of course work for a specific term.

Degrees With Distinction

The following degrees with distinction are based on **all** college work:

Summa Cum Laude - Awarded to the student who earns a grade point average of 4.0 during his or her college career.

Magna Cum Laude - Awarded to the student who earns a grade point average of 3.75 during his or her college career.

Cum Laude - Awarded to the student who earns a grade point average of 3.5 during his or her college career.

To be eligible for honors, one-half of the total hours applied toward the degree must be regular academic course credit.

SPECIAL PROGRAMS

COOPERATIVE EDUCATION

The Cooperative Education Program is designed to give students the opportunity to integrate their classroom study with practical experience in their major field. The Alternating Plan requires the student to alternate terms of full-time study with terms of full-time work. The Parallel Plan requires that the student work part-time while attending school full-time.

Eligibility

All students who have chosen a major field of study and enrolled in at least ten (10) quarter hours are eligible to enter

Co-op Program provided they also meet the following criteria:

Student must be in good standing and must have an overall GPA of 2.0.

Student must intend to fulfill the requirements of the Co-op Program and be a prospective candidate for graduation at Athens State College.

Application

Students should apply as soon as they have been accepted for full-time enrollment by the college.

Procedure

Students who desire to participate in the Cooperative Education Program should complete the following actions:

Complete an "Application of Cooperative Education Program" which may be obtained either from the Cooperative Education Office or from academic advisors.

Arrange for an interview with the Coordinator of the Co-op Program in regard to the student's career and possible work assignments. If the student is accepted, the Cooperative Education Office will arrange an appropriate training position.

NOTE: Special arrangements will be made to accommodate situations in which the assigned work may be seasonal.

Parallel Plan

A series of courses in which students are engaged in a work situation and school concurrently, directly related to the academic major. Grade will be based on a combined employer/instructor evaluation of the student's acquired knowledge and skills and on a report submitted by the student.

Prerequisites: Courses will be taken in order. To begin the sequence, a student must have an overall GPA of 2.0. The Co-op Program Coordinator will approve continuation of the sequence provided the student maintains a GPA of 2.0.

Alternating Plan

A series of courses in which students are engaged in full-time study for one quarter, then switches to full-time employment for the following quarter, directly related to their academic major. Grade will be based on a combined employer/instructor evaluation of the student's acquired knowledge and skills and on a report submitted by the student.

Prerequisites: A student must have an overall GPA of 2.0. The Co-op Program Coordinator will approve continuation of the sequence provided the student maintains a GPA of 2.0.

The Cooperative Education Office will evaluate work performance based on reports submitted by the employer. In addition, the student must satisfy the requirements of his or her chosen area.

See Course Descriptions listed on page 134.

ATHENS STATE COLLEGE CENTER FOR ECONOMIC EDUCATION

Athens State College operates and maintains a Center for Economic Education for the purpose of improving the level of economic understanding in the North Alabama area. As a network member of the Alabama Council on Economic Education and as an affiliated member of the Joint Council on Economic Education, the ASC center sponsors and conducts service training programs for elementary and secondary teachers employed by local school systems. In addition, it serves as a repository for materials related to economics and economic instruction and assists local school districts that desire to integrate the DEEP, Developmental Economic Education Program, into their schools. Dr. James F. Haynes, Associate Professor of Economics, serves as the Director of the ASC center, which is located in room 207 of Founders Hall.

ACADEMIC DIVISIONS

DIVISION OF BUSINESS

James F. Haynes, Ph.D., Division Head

DIVISION OF EDUCATION

Jonita Haynes, Ph.D., Division Head

DIVISION OF HUMANITIES AND SOCIAL SCIENCES

Curtis D. Coleman, D.Min., Division Head

DIVISION OF BEHAVIORAL SCIENCES

Joe H. Slate, Ph.D. Division Head

DIVISION OF SCIENCE AND TECHNOLOGY

Ronald C. McNutt, Ph.D., Division Head

DIVISION OF BUSINESS

James F. Haynes, Ph.D., Division Head



The Division of Business offers programs of study leading to the Bachelor of Science degree with majors in accounting, business administration, and the management of technology. In cooperation with the Division of Behavioral Science, the Division of Business participates in two interdisciplinary programs of study leading to the Bachelor of Science degree with majors in personnel psychology and public safety administration (Refer to pages 116 and 117 of this catalog for the program descriptions). In cooperation with the Division of Natural Science, the Division of Business participates in a program of study leading to the Bachelor of Science degree with a major in Science and Management.

It is the student's responsibility to comply with the Business Division's coursework requirements. Under no circumstances are alterations or substitutions in required coursework permitted without prior approval of the business faculty members in the major area, the student's faculty advisor, the Division Head, and the Academic Dean.

ACCOUNTING

The aim of the major in Accounting is to prepare students for a wide variety of careers in professional accounting, including public accounting, industrial accounting, internal auditing, and government service. An objective of the program is to qualify students to sit for the various professional entry examinations, particularly the Certified Public Accountant examination. In addition to the program components listed below the student should complete the general college requirements and conditions for graduation (pg. 33).

Bachelor of Science - Accounting

Program components for the Bachelor of Science degree with a major in Accounting include:

Applicable general college requirements (pg. 33).

A hundred and five quarter hour core of business and accounting courses which must include a minimum of fifty quarter hours of 300/400 level credit.

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities (must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy).....	20 quarter hours
Social Science (Must be in the area of Economics to include EC 310 or Principles of Economics I.....)	10 quarter hours
Behavioral Science.....	10 quarter hours
Natural Science	10 quarter hours
Computer Science (Must be a business applications course).....	5 quarter hours
Math (College Algebra or equivalent).....	5 quarter hours
TOTAL QUARTER HOURS.....	70 quarter hours

ACCOUNTING AND BUSINESS CORE:

Accounting Principles.....	10 quarter hours
ACC 320 Computer Augmented Accounting.....	5 quarter hours
ACC 321 Intermediate Accounting I.....	5 quarter hours
ACC 322 Intermediate Accounting II.....	5 quarter hours
ACC 323 Intermediate Accounting III.....	5 quarter hours
ACC 361 Federal Tax Accounting	5 quarter hours

AC 371 Cost Accounting	5 quarter hours
AC 401 Auditing	5 quarter hours
AC 431 Advanced Accounting	5 quarter hours
EC 321 Money and Banking	5 quarter hours
FIN 350 Managerial Finance	5 quarter hours
GBA 305 Statistical Methods of Business I	5 quarter hours
GBA 306 Statistical Methods of Business II	5 quarter hours
GBA 311 The Legal Environment of Business	5 quarter hours
GBA 312 Introduction to Commercial Law	5 quarter hours
MG 302 Management Information Systems	5 quarter hours
MG 320 Managerial Communications	5 quarter hours
MG 346 Management and Organization	5 quarter hours
MG 420 Business Policy	5 quarter hours
MK 331 Marketing Principles	5 quarter hours
TOTAL QUARTER HOURS*	105 quarter hours
Free elective quarter hours	17 quarter hours

*At least **50 quarter hours** of Accounting and Business courses must be taken at the senior college level, including minimum of 35 quarter hours with Athens State College.

TOTAL QUARTER HOURS FOR PROGRAM OF STUDY.....192 quarter hours

Certificate in Accounting

There is a growing demand for accountants in private industry and government. Many graduates, finding that the undergraduate majors did not give them the career mobility they had hoped for, turn to accounting as an alternative career choice. Rather than requiring such students to pursue a second undergraduate degree, the Division of Business offers certificate in accounting which gives the students the requisite accounting background that will allow such students reach their career goals with the minimum of structure. A further advantage to students holding accounting certificates that approval has been obtained from the Alabama Board of Accountancy permitting them to sit for the CPA examination.

THE PROGRAM OF STUDY FOR THE ACCOUNTING CERTIFICATE INCLUDES:

- Four-year degree from an accredited institution.
- Principles of Economics I and II
- Principles of Accounting I and II

CURRICULUM:

A 311 The Legal Environment of Business.....	5 quarter hours
A 312 Introduction to Commercial Law.....	5 quarter hours
320 Computer Augmented Accounting.....	5 quarter hours
321,322,323 Intermediate Accounting I,II,III	15 quarter hours
361 Federal Tax Accounting	5 quarter hours
371 Cost Accounting.....	5 quarter hours
401 Auditing.....	5 quarter hours
431 Advanced Accounting.....	5 quarter hours

BUSINESS ADMINISTRATION

The objective of the major in Business Administration is to provide students with a comprehensive business education which will prepare them to enter managerial employment and to assist in the development of individuals who hold those positions. The major encompasses the traditional business curriculum which includes coursework in accounting, economics, finance, management, marketing, and the legal environment of business. The requirements for the business administration major, in addition to the general education requirement include the completion of a eighty five hour core of business courses. A student may elect to pursue an area of concentration by taking an additional fifteen quarter hours of business elective courses in a specific area. Areas of concentration are offered in accounting, economics, finance, management, and marketing. Program components for the Bachelor of Science in Business Administration are listed below. In addition the student must satisfy the general college requirements (pg. 33).

Bachelor of Science - Business Administration

Program components for the Bachelor of Science degree with a major in Business Administration include:

Applicable general college requirements (pg. 33).

A eighty-five quarter hour core of business courses which must include at least fifty quarter hours of 300/400 level cred-

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy).....	20 quarter hours
Natural Science (Must be in the area of Economics to include EC 310 or Principles of	

Economics I).....	10 quarter hours
Behavioral Science.....	10 quarter hours
Natural Science	10 quarter hours
Computer Science (Must be a business applications course).....	5 quarter hours
Math (College Algebra or the equivalent).....	5 quarter hours

TOTAL QUARTER HOURS..... 70 quarter hours

4. BUSINESS CORE (Business Administration):

Accounting Principles or equivalent	10 quarter hours
EC 320 International Commerce.....	5 quarter hours
EC 321 Money and Banking	5 quarter hours
FIN 350 Managerial Finance	5 quarter hours
GBA 305 Statistical Methods of Business I.....	5 quarter hours
GBA 306 Statistical Methods of Business II.....	5 quarter hours
GBA 311 The Legal Environment of Business.....	5 quarter hours
GBA 312 Introduction to Commercial Law.....	5 quarter hours
MG 302 Management Information Systems.....	5 quarter hours
MG 320 Managerial Communications	5 quarter hours
MG 346 Management and Organization	5 quarter hours
MG 349 Human Resources Management	5 quarter hours
MG 416 Entrepreneurship and Small Business Management.....	5 quarter hours
MG 420 Business Policy.....	5 quarter hours
MK 331 Marketing Principles.....	5 quarter hours
MK 433 Marketing Strategies and Policies.....	5 quarter hours

TOTAL QUARTER HOURS* 85 quarter hours

*At least 50 quarter hours of business courses must be taken at the senior college level, including a minimum of 35 quarter hours with Athens State College.

Free Elective Quarter Hours..... 37 quarter hours

TOTAL QUARTER HOURS REQUIRED FOR PROGRAM OF STUDY.....192 quarter hours

Bachelor of Science - Business Administration **with a Concentration in Procurement and Acquisition Management**

Athens State College offers a specialized area of concentration in procurement and acquisition management to those students who elect to major in business administration. The person who seeks this degree should complete the requirements described below in addition to regular academic admission requirements and the general college requirements (pg. 33).

Applicable general college requirements (pg. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science (Must be in the area of Economics to include EC 310 or Principles of Economics I)	10 quarter hours
Behavioral Science	10 quarter hours
Natural Science	10 quarter hours
Computer Science (Must be a business applications course)	5 quarter hours
Math (College Algebra or its equivalent)	5 quarter hours
TOTAL QUARTER HOURS	70 quarter hours

BUSINESS CORE (Business Administration):

Accounting Principles or equivalent	10 quarter hours
BA 320 International Commerce	5 quarter hours
BA 321 Money and Banking	5 quarter hours
BA 350 Managerial Finance	5 quarter hours
BA 305 Statistical Methods of Business I	5 quarter hours
BA 306 Statistical Methods of Business II	5 quarter hours
BA 311 The Legal Environment of Business	5 quarter hours
BA 312 Introduction to Commercial Law	5 quarter hours
MG 302 Management Information Systems	5 quarter hours
MG 320 Managerial Communications	5 quarter hours
MG 346 Management and Organization	5 quarter hours
MG 349 Human Resources Management	5 quarter hours

MG 416 Entrepreneurship and Small Business Management.....	5 quarter hours
MG 420 Business Policy.....	5 quarter hours
MK 331 Marketing Principles.....	5 quarter hours
MK 433 Marketing Strategies and Policies.....	5 quarter hours
PR 394 Introduction to Procurement.....	5 quarter hours
PR 395 Price and Cost Analysis.....	5 quarter hours
PR 396 Government Contract Law	5 quarter hours
PR 397 Contract Negotiation	5 quarter hours
PR 398 Contract Administration.....	5 quarter hours
TOTAL QUARTER HOURS*	110 quarter hours

*At least 50 quarter hours of business courses must be taken at the senior college level, including a minimum of 35 quarter hours with Athens State College.

FREE ELECTIVE QUARTER HOURS..... 12 quarter hours

TOTAL QUARTER HOURS REQUIRED FOR PROGRAM OF STUDY.....192 quarter hours

BUSINESS ADMINISTRATION MINOR

In order to better serve the entire student body of Athens State College, the Division of Business makes available those students majoring in other disciplines and general studies degree candidates, a structured minor in the area of Business Administration.

The student seeking a minor in Business Administration must complete forty quarter hours of Business Administration courses to include the following:

AC 300 Basic Accounting (or Principles of Accounting I)	5 quarter hours
EC 310 Basic Economics (or Principles of Economics I or II)	5 quarter hours
GBA 301 Microcomputer Applications for Business.....	5 quarter hours
GBA 311 The Legal Environment of Business.....	5 quarter hours
MK 331 Marketing Principles.....	5 quarter hours
MG 302 Management Information Systems.....	5 quarter hours
MG 320 Managerial Communications	5 quarter hours
MG 346 Management and Organization	5 quarter hours

MANAGEMENT OF TECHNOLOGY

Athens State College offers to technical personnel including the graduates of technical schools or colleges the opportunity to complete a baccalaureate degree in the management of technology. The person who seeks the Bachelor of Science in Management of Technology is to complete the requirements described below in addition to regular academic admission requirements.

Bachelor of Science - Management of Technology

Program components for the Bachelor of Science degree with a major Management of Technology include:

Applicable general college requirements (pg. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science (Must be in the area of Economics to include EC 310 or Principles of Economics I)	10 quarter hours
Behavioral Science	10 quarter hours
Natural Science	10 quarter hours
Computer Science (Must be a business applications course)	5 quarter hours
Math (College Algebra or its equivalent)	5 quarter hours
TOTAL QUARTER HOURS	70 quarter hours

TECHNICAL CORE:

Technical Training: Six or more quarters/technical school or college.

Work Experience: Six years documented, successful work experience.

Professional program: Fine arts or health sciences or completion of an Associates degree in Fire Science.

TOTAL QUARTER HOURS (Minimum of 50)	50 quarter hours
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BUSINESS CORE (Technical Business):

Principles of Accounting I and II or equivalent	10 quarter hours
FIN 350 Managerial Finance	5 quarter hours

GBA 305 Statistical Methods of Business I.....	5 quarter hours
GBA 311 The Legal Environment of Business.....	5 quarter hours
MG 302 Management Information Systems.....	5 quarter hours
MG 320 Managerial Communications	5 quarter hours
MG 346 Management and Organization	5 quarter hours
MG 349 Human Resources Management	5 quarter hours
MG 416 Entrepreneurship and Small Business Management	5 quarter hours
MG 418 Management of Technology	5 quarter hours
MG 420 Business Policy.....	5 quarter hours
MK 331 Marketing Principles.....	5 quarter hours

TOTAL QUARTER HOURS* 65 quarter hours

*At least 40 quarter hours of business courses must be taken at the senior college level, including a minimum of 35 quarter hours of credit with Athens State College.

Free Elective Quarter Hours..... 7 quarter hours

TOTAL QUARTER HOURS REQUIRED FOR PROGRAM OF STUDY192 quarter hours



DIVISION OF EDUCATION

Jonita Haynes, Ph.D., Division Head

The Division of Education offers courses which meet the requirements of the State Department of Education for Class B Teacher Certification of the professional programs in Early Childhood Education (N-3), Elementary Education (I-6), Middle School Education (4-8), High School Education (7-12), Physical Education (N-12), Special Education (N-12), Trade and Industrial Education, and Vocational Education. These programs are approved by the Alabama State Board of Education and the Southern Association of Colleges and Schools. Because of the nature of the Teacher Education Program and because of state certification changes that may occur, the Division of Education reserves the right to change the requirements in the Teacher Education Program at any time.

TEACHER EDUCATION PROGRAM

mission

Prior to enrolling in certain professional education courses other than ED 300 a student must be admitted to the Teacher Education Program. A student wishing to enter the Teacher Education Program must meet the following requirements:

Students who have earned collegiate credit before June 1, 1977 will be exempted from the ACT or SAT and the language proficiency test.

Those students not exempted (see #1) must show evidence of one of the following: (A) 16 on ACT taken prior to 1-1-90, (B) 17 on ACT taken after 1-1-90, or 745 on the SAT. (In the event an applicant did not take the ACT or SAT prior to entering college or the score was unacceptable, arrangements must be made with a high school or college to fulfill this requirement. This is the responsibility of the applicant. A score is valid and acceptable for five years following the date of testing.)

Demonstrate proficiency on a state-approved English Competency examination.

Complete Education 300, Foundations of Education, or the equivalent with a grade of at least "C".

Receive recommendation from the interview screening committee which reviews the applicant's personal traits, experiences, interests, and aptitudes as these related to the requirements for successful teaching.

Present documentation of a minimum grade point average of at least 2.2 on a 4.0 scale on all college work attempted.

(Beginning Fall, 1991 a 2.5 GPA will be required.)

Submit documentation of a current, negative chest x-ray or tuberculosis skin test.

Complete the written application for admission to the Teacher Education Program and submit the application to the Education Division. This application is to be made during the first quarter of study at Athens State College. (The application forms are available in the Office of the Education Division.)

Students must complete all requirements for admission to the teacher education program by the end of their third quarter (45 quarter hours) at Athens State College.

Retention

1. A student may be dropped from the Teacher Education Program for failure to maintain the standards of performance required for admission to the program. Such students may be placed on probation. While on probation the student must be under continuous supervision and evaluation in an effort to eliminate his or her deficiencies.
2. A student must maintain a current validation of a negative chest x-ray or tuberculosis skin test throughout the Teacher Education Program.

Completion

In addition to the specified courses in each approved program, the student must complete the following requirements:

1. Maintain an overall-grade point average of 2.2 (Beginning Fall, 1991 a student must maintain a 2.5).
2. Maintain a minimum grade of "C" in each professional course.
3. Complete the Teacher Education Program within four years from the date of admission. (A student may apply to the Education Division for consideration for reinstatement to the program.)

VERY IMPORTANT!!!

The State Department of Education retains the right to deny credit for courses with a prerequisite of admission to teacher education if that course was taken prior to admission to teacher education.

Courses That Require Admission to the Teacher Education Program

Early Childhood Education

ED 323 Principles and Practices of Teaching Reading
ED 413 Teaching Reading to the Young Child
ED 416 Curriculum in Early Childhood Education
ED 423 Materials and Methods of Social Studies
ED 361 Measurement and Management
ED 480 Internship in Early Childhood Education

Elementary Education

ED 423 Materials and Methods of Social Studies
ED 424 Materials and Methods of Teaching Math in Intermediate Grades
MU 451 Materials and Methods of Teaching Music

ED 361 Measurement and Management
ED 323 Principles and Practices of Teaching Reading
ED 413 Teaching Reading to the Young Child
ED 482 Internship in Elementary Education

Learning Disabled Education

ED 324 Teaching Math to the Young Child
ED 424 Materials and Methods of Teaching Math in Intermediate Grades
ED 333 Teaching Reading in the Content Area
PS 461 Tests and Measurements
ED 488 Internship in N-12

Language Arts, English, Comprehensive Science, Biology, Chemistry, Social Science, History, Political Science, Psychology, Mathematics

ED 431 Materials and Methods of Teaching Middle/High School
ED 333 Teaching Reading in the Content Area
ED 361 Measurement and Management
ED 486 Internship in High School

Physical Education

PE 430 Materials and Methods for Teaching Physical Education in the Elementary School
PE 440 Materials and Methods for Teaching Physical Education in the High School
ED 333 Teaching Reading in the Content Area
PE 401 Tests and Measurements in Physical Education
ED 488 Internship in N-12

Trade and Industry Education

VE 432 Methods of Teaching Vocational Education
VE 433 Materials of Teaching Vocational Education
ED 333 Teaching Reading in the Content Area
VE 440 Testing and Evaluation in Vocational Education
ED 486 Internship in High School

ernship

Students **must** apply to the Director of Internship two quarters prior to registering for Internship. (The application forms are available in the office of the Education Division.) The internship programs are open to seniors who have completed the professional education courses in their special fields.

2. During the quarter of internship, no other courses should be taken. It is therefore recommended, in planning hours toward graduation, that the individual expect to take only fifteen quarter hours of internship in that quarter.
3. Beginning Fall Quarter, 1991, no student will be allowed to take a course concurrently with the ten-week internship.

The State Board of Education periodically revises the requirements governing certification in the State of Alabama. Therefore, requirements for degrees leading to certification are subject to change from those published in this Catalog. The student is advised to secure a correct curriculum guide from the Division of Education Office to ensure that both degree requirements and certification requirements are met.

Certification

Issuance of Alabama teaching certificates is the legal responsibility of the Alabama State Department of Education. Universities and colleges cannot issue a professional certificate. However, in order to be certified at the professional "E" level, a student must complete an appropriate course of study at a college or university which has been approved by the State Board of Education. When a student completes the course of study, the institution recommends to the State Department of Education that the appropriate certificate be awarded. It is the responsibility of the student to complete the steps for certification recommendation from Athens State College which are as follows:

1. Satisfy the requirements of the Teacher Education Program.
2. Obtain application for certification from the Certification Officer.
3. Provide a \$10.00 money order for each level of certification. (Amount subject to state modification; make money order payable to the State Department of Education in Montgomery).
4. Provide the Certification Officer with one copy of an official transcript.

Approved Majors

Biology
Chemistry
Comprehensive Science

Mathematics
Physical Education
Political Science

Early Childhood Education
 Elementary Education
 English
 History
 Language Arts

Psychology
 Social Science
 Special Education (Learning Disabilities)
 Trade and Industrial Education-Teacher/Coordinator
 Vocational Education - Post Secondary

Post Graduate Teacher Education Program Planning

A student who holds a baccalaureate degree may complete certification requirements at Athens State College. In general, this student must meet the same requirements for admission to and exit from the program as a regular undergraduate student. There are several classifications which may be appropriate for this student; consequently, the student must consult the Head of the Division of Education to have a program plan approved before enrolling for a course. A student who holds an Alabama teacher's certificate may seek to add additional areas of endorsement. The Head of the Division of Education will assist the student in program planning to meet the State Department of Education requirements.

Placement

It is recommended that each student place a resume' on file with the Athens State College Placement Office prior to graduation.

EARLY CHILDHOOD EDUCATION

This program is designed for students interested in the education of young children. The focus is upon the nature of learning and development of children ages four through eight. This phase of the teacher preparation program is designed to assist the student in acquiring knowledge, understanding, and skills deemed essential to: (1) teach in kindergarten and primary grades, (2) administer and implement preschool or other early childhood programs, or (3) to pursue graduate study in early childhood and other related specializations.

Bachelor of Science in Education - Early Childhood Education Major

Program components for the Bachelor of Science in Education with a major in Early Childhood Education include:

Applicable general college requirements (page 33) and the following general education and professional education requirements.

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature	10 quarter hours
Speech	5 quarter hours

General Psychology	5 quarter hours
Mathematics	5 quarter hours
Science (To include both Biological and Physical)	20 quarter hours
Economics	5 quarter hours
American History	5 quarter hours
Geography	5 quarter hours
Government	5 quarter hours
Social Science Electives (Excluding Psychology and Philosophy)	10 quarter hours
*Health Education	1-4 quarter hours
*Physical Education	1-4 quarter hours
*(For a combined total of 5 quarter hours.)	

3. PROFESSIONAL EDUCATION REQUIREMENTS:

During any one quarter, a student may **not** enroll for more than three methods courses.

ED 300 Foundations of Education	5 quarter hours
ED 302 Language Development	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 310 Principles of Early Childhood Education	5 quarter hours
ED 312 The Child and Society	5 quarter hours
ED 320 Children's Literature (Methods)	5 quarter hours
ED 321 Materials and Methods of Teaching Language Arts (Methods)	5 quarter hours
ED 323 Principles and Practices of Teaching Reading (Methods)	5 quarter hours
ED 323C Clinical Experience	1 quarter hour
ED 324 Teaching Math to the Young Child (Methods)	5 quarter hours
ED 324C Clinical Experience	1 quarter hour
ED 361 Measurement and Management	5 quarter hours
ED 413 Teaching Reading to the Young Child (Methods)	5 quarter hours
ED 413C Clinical Experience	1 quarter hour
ED 416 Curriculum in Early Childhood Education	5 quarter hours
ED 416F Field Experience	1 quarter hour
ED 420 Materials and Methods of Teaching Science (Methods)	5 quarter hours
ED 423 Materials and Methods of Teaching Social Science (Methods)	5 quarter hours
ED 423F Field Experience	1 quarter hour
ED 480 Internship in Early Childhood Education	15 quarter hours
AR 309 Materials and Methods of Teaching Art	5 quarter hours
MU 451 Materials and Methods of Teaching Music	5 quarter hours
PE 431 Motor Development and Physical Education Activities for the Young Child	5 quarter hours

332 Child Psychology	5 quarter hours
301 Introduction to the Exceptional Child	5 quarter hours

Students desiring to major both in Early Childhood Education and Elementary Education must meet the course requirements in both programs with an additional five quarter hours of internship.

A second major is not required.

ELEMENTARY EDUCATION

This program in Elementary Education at Athens State College is designed to assist the student in acquiring the knowledge and skills required of teachers in elementary schools. The program is field oriented in order to provide observation and participation in a wide variety of educational settings available with elementary age students. Professional coursework requirements culminate with a ten-week internship requirement.

Bachelor of Science in Education - Elementary Education Major

Program components for the Bachelor of Science in Education with a major in Elementary Education include:

Applicable general college requirements (pg. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature	10 quarter hours
Speech	5 quarter hours
General Psychology	5 quarter hours
Mathematics	5 quarter hours
Science (To include both biological and physical)	20 quarter hours
Economics	5 quarter hours
American History	5 quarter hours
Geography	5 quarter hours
Government	5 quarter hours
Social Science Electives (Excluding psychology and philosophy)	10 quarter hours
Health Education	1-4 quarter hours
Physical Education	1-4 quarter hours

For a combined total of 5 quarter hours)

3. PROFESSIONAL EDUCATION REQUIREMENTS:

During any one quarter, a student may **NOT** enroll for more than three methods courses.

ED 300 Foundations of Education	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 312 The Child and Society	5 quarter hours
ED 320 Children's Literature (Methods)	5 quarter hours
ED 321 Materials and Methods of Teaching Language Arts (Methods)	5 quarter hours
ED 323 Principles and Practices of Teaching Reading (Methods)	5 quarter hours
ED 323C Clinical Experience	1 quarter hour
ED 324 Teaching Mathematics to the Young Child (Methods)	5 quarter hours
ED 324C Clinical Experience	1 quarter hour
ED 333 Teaching Reading in the Content Area Methods	5 quarter hours
ED 361 Measurement and Management	5 quarter hours
ED 413 Teaching Reading to the Young Child (Methods)	5 quarter hours
ED 413C Clinical Experience	1 quarter hour
ED 420 Materials and Methods of Teaching Science (Methods)	5 quarter hours
ED 423 Materials and Methods of Teaching Social Science (Methods)	5 quarter hours
ED 423F Field Experience	1 quarter hour
ED 424 Materials and Methods of Teaching Mathematics in the Intermediate Grades (Methods)	5 quarter hours
ED 424C Clinical Experience	1 quarter hour
ED 482 Internship in Elementary Education	15 quarter hours
AR 309 Materials and Methods of Teaching Art	5 quarter hours
MU 451 Materials and Methods of Teaching Music	5 quarter hours
PE 430 Materials and Methods of Teaching Physical Education in the Elementary Schools	5 quarter hours
PS 332 Child Psychology	5 quarter hours
SE 301 Introduction to the Exceptional Child	5 quarter hours

4. Students desiring to major both in Elementary Education and Early Childhood Education must meet the course requirements in both programs with an additional five quarter hours of internship.

5. A second major is **not** required.

MIDDLE SCHOOL ENDORSEMENTS

For the student obtaining elementary certification who wishes to add a middle school endorsement in history, English, biology or mathematics, the following courses are required:

300 Foundations of Education.....	5 quarter hours
334 Adolescent Psychology.....	5 quarter hours
Advisor approved courses from the approved respective teaching field for 7-12 certification.....	36 quarter hours

For the student obtaining elementary certification who wishes to add a middle school endorsement in comprehensive science, the following courses are required:

300 Foundations of Education.....	5 quarter hours
334 Adolescent Psychology.....	5 quarter hours
Advisor approved courses from the approved teaching field for 7-12 certification. Courses must be selected from at least two of these areas: (physics, earth & space science, biology, chemistry).....	36 quarter hours

For the student obtaining elementary certification who wishes to add a middle school endorsement in language arts, the following courses are required:

300 Foundations of Education.....	5 quarter hours
334 Adolescent Psychology.....	5 quarter hours
Advisor approved courses from the approved teaching field for 7-12 certification. Courses must be selected from at least two of these areas: (English, literature, drama, journalism, speech).....	36 quarter hours

For the student obtaining elementary certification who wishes to add a middle school endorsement in social science, the following courses are required:

300 Foundations of Education.....	5 quarter hours
334 Adolescent Psychology.....	5 quarter hours
Advisor approved courses from the approved teaching field for 7-12 certification. Courses must be selected from at least two of these areas: (economics, geography, history, political science, psychology, sociology)	36 quarter hours

For the student who wishes to be certified to teach in high school must successfully complete an approved composite major in two majors. The requirements for completing a teacher education program in high school follows:

Bachelor of Science in Education - High School Education Major

Program components for the Bachelor of Science in Education with a major in High School Education include:

1. Applicable general college requirements (pg. 33).
2. General Education requirements, Professional Education requirements, and Major requirements.
3. High School Education majors desiring middle school endorsement should refer to their respective high school certification requirements for applicable middle school endorsements.

Bachelor of Science in Education - Biology

1. Applicable general college requirements (pg.33).
2. Completion of a pre-assessment examination; a post-assessment examination and field or laboratory research project prior to graduation. Research project results will be presented in a seminar to the Biology faculty, Biology majors, and other interested parties. **Results of the post-assessment examination will be reflected on the student's permanent record, as will be the title of the research project.** See Standard Sheet for B.S.Ed. Biology.
3. A 62-64 quarter hour major, including a minimum of 37 quarter hours of upper division course work, **at least 24 quarter hours of which must be taken at Athens State College.** (Courses taken under the SICR agreement do not constitute upper division course work.) **Directed Study/Independent Study and/or Special Topics coursework will not satisfy course requirements for the major or minor.**

4. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics	5 quarter hours
History	5 quarter hours
General Psychology	5 quarter hours
Social Science Elective	5 quarter hours
College Algebra	5 quarter hours
Physics Survey	5 quarter hours
Chemistry Survey	5 quarter hours

ne of the following:

natural or Physical Geography, World, Regional, or General Geography Geology, Meteorology.....	5 quarter hours
Speech.....	5 quarter hours
Health Education.....	1-4 quarter hours
Physical Education.....	1-4 quarter hours
*For a combined total of 5 quarter hours.)	

PROFESSIONAL EDUCATION REQUIREMENTS:

D 300 Foundations of Education.....	5 quarter hours
D 305 Computers and Media for Teachers.....	5 quarter hours
D 333 Teaching Reading in the Content Area.....	5 quarter hours
D 361 Measurement and Management.....	5 quarter hours
D 431 Materials and Methods of Teaching in Middle School/High School.....	5 quarter hours
D 486 Internship in High School Education.....	15 quarter hours
S 330 Educational Psychology or PS 332 Child Psychology.....	5 quarter hours
S 334 Adolescent Psychology.....	5 quarter hours
E 301 Introduction to the Exceptional Child.....	5 quarter hours

MAJOR REQUIREMENTS:

(*These courses must be completed first.)

Principles of Biology.....	5 quarter hours
General Botany.....	5 quarter hours
General Zoology.....	5 quarter hours
I 401 Cell Structure & Function.....	6 quarter hours
I 402 Genetics.....	6 quarter hours
I 403 General Ecology.....	6 quarter hours
I 404 General Physiology.....	6 quarter hours
I 450 Research Seminar.....	1 quarter hour

our of the following courses:

Human Anatomy and Physiology.....	5 quarter hours
Microbiology.....	5 quarter hours
I 411 Invertebrate Systematics and Morphology.....	6 quarter hours

BI 412 Invertebrate Development and Function.....	6 quarter hours
BI 413 Field Vertebrate Zoology	6 quarter hours
BI 414 Comparative Vertebrate Anatomy.....	6 quarter hours
BI 431 Plant Systematics and Morphology	6 quarter hours
BI 432 Plant Development and Function	6 quarter hours
BI 440 Biological Research Fundamentals.....	6 quarter hours

An approved second teaching major **is** required.

A minor is **not** required.

For the student obtaining high school certification who wishes a middle school endorsement in biology, the following courses are required:

ED 420 Materials and Methods of Teaching Science	5 quarter hours
ED 300 Foundations of Education.....	5 quarter hours
PS 332 Child Psychology.....	5 quarter hours
ED 323 Principles and Practices of Teaching Reading.....	5 quarter hours
ED 323C Clinical Experience	1 quarter hour
Advisor approved courses from the approved teaching field for 7-12 certification.....	36 quarter hours

Bachelor of Science in Education - Chemistry

1. Applicable general college requirements (p 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics.....	5 quarter hours
History.....	5 quarter hours
General Psychology	5 quarter hours
Social Science Elective	5 quarter hours
Physics Survey (301 or equivalent)	5 quarter hours
Biology	5 quarter hours

Earth or Space Science	5 quarter hours
Speech	5 quarter hours
Health Education	1-4 quarter hours
Physical Education	1-4 quarter hours
For a combined total of 5 quarter hours.)	

PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 333 Teaching Reading in the Content Area	5 quarter hours
ED 361 Measurement and Management	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School	5 quarter hours
ED 486 Internship in High School Education	15 quarter hours
ED 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
ED 334 Adolescent Psychology	5 quarter hours
ED 301 Introduction to the Exceptional Child	5 quarter hours

MAJOR REQUIREMENTS:

MA 303/304 Calculus	10 quarter hours
MA 305/306 Intermediate Calculus	10 quarter hours
General Chemistry or CH 303/304/305 Chemistry I,II,III	15-18 quarter hours
CH 311/312/313 Organic Chemistry	15 quarter hours
CH 324 Analytical Chemistry	5 quarter hours
CH 330 Physical Chemistry	5 quarter hours
CH 413 Biochemistry or CH 402 Inorganic Chemistry	5 quarter hours

A second major is required. The student must satisfy any additional General Education and/or Professional Education requirements inherent to the second major which are not stated above.

Bachelor of Science in Education - Comprehensive Science

Applicable general college requirements (p. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
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Literature Survey.....	10 quarter hours
Economics	5 quarter hours
History	5 quarter hours
General Psychology	5 quarter hours
Social Science Elective	5 quarter hours
Speech.....	5 quarter hours
*Health Education	1-4 quarter hours
*Physical Education	1-4 quarter hours
(*For a combined total of 5 quarter hours.)	

3. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education.....	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 333 Teaching Reading in the Content Area.....	5 quarter hours
ED 361 Measurement and Management	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School Education	5 quarter hours
ED 486 Internship in High School Education	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
PS 334 Adolescent Psychology.....	5 quarter hours
SE 301 Introduction to the Exceptional Child	5 quarter hours

4. MAJOR REQUIREMENTS:

Principles of Biology.....	5 quarter hours
General Botany.....	5 quarter hours
General Zoology.....	5 quarter hours
BI 322 Human Genetics or BI 401 Cell Biology.....	5 quarter hours
BI 321 Environmental Studies or BI 403 General Ecology	5 quarter hours
CH 303/304/305 Chemistry I,II,III.....	15-18 qtr hrs.
CH 324 Analytical Chemistry.....	5 quarter hours
GS 300 Astronomy	5 quarter hours
GS 302 Earth Science	5 quarter hours
MA 303/304 Calculus	10 quarter hours
MA 305/306 Intermediate Calculus	10 quarter hours
MA 421 Differential Equations.....	5 quarter hours
PY 301/302/303 General Physics	15 quarter hours
PY 305 Modern Physics	5 quarter hours
Earth or Space Science	5 quarter hours

second major is **not** required.

For the student obtaining high school certification who wishes a middle school endorsement in comprehensive science, the following courses are required:

ED 420 Materials and Methods of Teaching Science	5 quarter hours
ED 300 Foundations of Education	5 quarter hours
PS 332 Child Psychology	5 quarter hours
ED 323 Principles and Practices of Teaching Reading	5 quarter hours
ED 323C Clinical Experience	1 quarter hour
Advisor approved courses from the approved teaching field for 7-12 certification. Courses must be selected from at least two of these areas: (physics, earth & space science, biology, chemistry)	36 quarter hours

Bachelor of Science in Education - English

Applicable general college requirements (p. 33).

GENERAL EDUCATION REQUIREMENTS:

Economics	5 quarter hours
History	5 quarter hours
General Psychology	5 quarter hours
Social Science Elective	5 quarter hours
Mathematics	5 quarter hours
Science (Must include both Biological and Physical)	15 quarter hours
Science or Social Science Elective	5 quarter hours
Health Education	1-4 quarter hours
Physical Education	1-4 quarter hours

(*For a combined total of 5 quarter hours.)

PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 333 Teaching Reading in the Content Area	5 quarter hours
ED 361 Measurement and Management	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School	5 quarter hours

ED 486 Internship in High School Education	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
PS 334 Adolescent Psychology	5 quarter hours
SE 301 Introduction to the Exceptional Child	5 quarter hours

4. MAJOR REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Speech.....	5 quarter hours
EH 312 Dramatic Literature	5 quarter hours
EH 320 Advanced Grammar	5 quarter hours
EH 325 Myth and Folklore in Literature	5 quarter hours
EH 414 History of the English Language.....	5 quarter hours
EH 425 Shakespeare: the Sonnets and the Plays.....	5 quarter hours
EH 431 Poetry.....	5 quarter hours

One of the following:

EH 304 Southern Literature	
EH 307 Major Authors I (Ancient to Renaissance)	
EH 308 Major Authors II (Renaissance through Modern)	
EH 310 Film	
EH 430 Literature: The Healing Art	
EH 433 Fiction	5 quarter hours

A second major **is** required. The student must satisfy any additional General Education and/or Professional Education requirements inherent to the second major which are not stated above.

For the student obtaining high school certification who wishes a middle school endorsement in English, the following courses are required:

ED 321 Material and Methods of Teaching Language Arts	5 quarter hours
ED 300 Foundations of Education	5 quarter hours
PS 332 Child Psychology.....	5 quarter hours
ED 323 Principles and Practices of Teaching Reading.....	5 quarter hours
ED 323C Clinical Experience	1 quarter hour
Advisor approved courses from the approved teaching field for 7-12 certification.	36 quarter hours

Bachelor of Science in Education - History

Applicable general college requirements (p. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics.....	5 quarter hours
General Psychology	5 quarter hours
Mathematics	5 quarter hours
Science (Must include both Biological and Physical)	15 quarter hours
Speech	5 quarter hours
Health Education	1-4 quarter hours
Physical Education	1-4 quarter hours
For a combined total of 5 quarter hours.)	

PROFESSIONAL EDUCATION REQUIREMENTS:

300 Foundations of Education.....	5 quarter hours
305 Computers and Media for Teachers.....	5 quarter hours
333 Teaching Reading in the Content Area.....	5 quarter hours
361 Measurement and Management	5 quarter hours
431 Materials and Methods of Teaching in Middle School/High School.....	5 quarter hours
486 Internship in High School Education	15 quarter hours
330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
334 Adolescent Psychology.....	5 quarter hours
301 Introduction to the Exceptional Child	5 quarter hours

MAJOR REQUIREMENTS:

American History	10 quarter hours
Western Civilization or HU 330 and 340 Landmarks of Civilization	10 quarter hours
PS/HY 301 Social Science Research Techniques and Methods.....	5 quarter hours
303 Alabama History	5 quarter hours
312 Revolutionary Europe	5 quarter hours
400 Colonial and Revolutionary America	5 quarter hours
403 Twentieth Century America.....	5 quarter hours

One (I) of the following:

HY 311 Dawn of Modern Europe

HY 313 Europe in the Victorian Age

HY 314 Contemporary Europe

HY 404 The Age of Reason

HY 321 History of England: 55 BC to 1688

HY 322 History of England: 1688 to Present..... 5 quarter hours

A second major **is** required. The student must satisfy any additional General Education and/or Professional Education requirements inherent to the second major which are not stated above.

A minor is **not** required.

For the student obtaining high school certification who wishes a middle school endorsement in history, the following courses are required:

ED 423 Materials and Methods of Teaching Social Science..... 5 quarter hours

ED 423F Field Experience..... 1 quarter hour

ED 300 Foundations of Education..... 5 quarter hours

PS 332 Child Psychology..... 5 quarter hours

ED 323 Principles & Practices of Teaching Reading 5 quarter hours

ED 323C Clinical Experience 1 quarter hour

Advisor approved courses from the approved teaching field for 7-12 certification 36 quarter hours

Bachelor of Science in Education - Language Arts

1. Applicable general college requirements (p. 33).

2. GENERAL EDUCATION REQUIREMENTS:

Economics..... 5 quarter hours

History..... 5 quarter hours

General Psychology 5 quarter hours

Social Science Elective	5 quarter hours
Mathematics	5 quarter hours
Science (Must include both biological and physical)	15 quarter hours
Electives	10 quarter hours
Health Education	1-4 quarter hours
Physical Education	1-4 quarter hours
*For a combined total of 5 quarter hours.)	

PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 333 Teaching Reading in the Content Area	5 quarter hours
ED 361 Measurement and Management	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School	5 quarter hours
ED 486 Internship In High School Education	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
PS 334 Adolescent Psychology	5 quarter hours
EX 301 Introduction to the Exceptional Child	5 quarter hours

MAJOR REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey	10 quarter hours
Speech	5 quarter hours
EN 433 Fiction	5 quarter hours
EN 431 Poetry	5 quarter hours
EN 320 Advanced Grammar	5 quarter hours
EN 414 History of the English Language	5 quarter hours
EN 303 Journalism	5 quarter hours
EN 312 Dramatic Literature	5 quarter hours
EN 311 Drama Production	5 quarter hours
EN 400 Speech I	5 quarter hours
EN 425 Shakespeare	5 quarter hours

Select two of the following:

- EN 304 Southern Literature
- EN 307 Major Authors
- EN 308 Major Authors II

EH 310 Film	
EH 430 Literature: The Healing Art	
EH 325 Myth and Folklore in Literature	10 quarter hours

A second major is **not** required.

For the student obtaining high school certification who wishes a middle school endorsement in language arts, the following courses are required:

ED 321 Materials and Methods of Teaching Language Arts	5 quarter hours
ED 300 Foundations of Education.....	5 quarter hours
PS 332 Child Psychology.....	5 quarter hours
ED 323 Principles and Practices of Teaching Reading.....	5 quarter hours
ED 323C Clinical Experience	1 quarter hour
Advisor approved courses from the approved teaching field for 7-12 certification. Courses must be selected from at least two of these areas: (English, drama, journalism, speech)	36 quarter hours

Bachelor of Science in Education - Mathematics

1. Applicable general college requirements (p. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics	5 quarter hours
History	5 quarter hours
General Psychology	5 quarter hours
Social Science Elective	5 quarter hours
Biology	5 quarter hours
Physics Survey	5 quarter hours
Chemistry Survey	5 quarter hours
Speech.....	5 quarter hours

Health Education	1-4 quarter hours
Physical Education	1-4 quarter hours
(For a combined total of 5 quarter hours.)	

PROFESSIONAL EDUCATION REQUIREMENTS:

300 Foundations of Education	5 quarter hours
305 Computers and Media for Teachers	5 quarter hours
333 Teaching Reading in the Content Area	5 quarter hours
361 Measurement and Management	5 quarter hours
431 Materials and Methods of Teaching in Middle School/High School	5 quarter hours
486 Internship in High School Education	15 quarter hours
330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
334 Adolescent Psychology	5 quarter hours
301 Introduction to the Exceptional Child	5 quarter hours

MAJOR REQUIREMENTS:

A 303/304 Calculus	10 quarter hours
A 305/306 Intermediate Calculus	10 quarter hours
A 314 College Geometry	5 quarter hours
A 441 Special Topics	5 quarter hours
S 301 Introduction to Computers and Programming or CS 302 BASIC Programming or	
S 315 Pascal Programming or CS 330 FORTRAN Programming	5 quarter hours

plus two mathematics electives (10 quarter hours of coursework) from the following:

A 308 Discrete Mathematics	5 quarter hours
A 310 Matrices and Linear Algebra	5 quarter hours
A 316 Vector Analysis	5 quarter hours
A 320 Modern Algebra	5 quarter hours
A 401 Complex Numbers	5 quarter hours
A 421 Differential Equations	5 quarter hours
A 423 Numerical Analysis	5 quarter hours
A 427 Applied Math I	5 quarter hours
A 428 Applied Math II	5 quarter hours
A 430/431 Theory of Statistics and Probability	5 quarter hours
A 450/451 Advanced Calculus	5 quarter hours

Students must take at least 20 quarter hours of the math major, at least 15 quarter hours of which must be beyond 306, at Athens State College.

A second major is **not** required.

For the student obtaining high school certification who wishes a middle school endorsement in mathematics, the following courses are required:

ED 424 Materials and Methods of Teaching Mathematics in Intermediate Grades.....	5 quarter hours
ED 424C Clinical Experience	1 quarter hour
ED 300 Foundations of Education.....	5 quarter hours
PS 332 Child Psychology.....	5 quarter hours
ED 323 Principles and Practices of Teaching Reading.....	5 quarter hours
ED 323C Clinical Experience	1 quarter hour
Advisor approved courses from the approved teaching field for 7-12 certification.....	36 quarter hours

Bachelor of Science in Education - Political Science

1. Applicable general college requirements (p. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics.....	5 quarter hours
Geography.....	5 quarter hours
History.....	5 quarter hours
General Psychology	5 quarter hours
Mathematics	5 quarter hours
Science (Must include both biological and physical)	15 quarter hours
Speech.....	5 quarter hours
*Health Education	1-4 quarter hours
*Physical Education	1-4 quarter hours

(*For a combined total of 5 quarter hours.)

PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 333 Teaching Reading in the Content Area	5 quarter hours
ED 361 Measurement and Management	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School	5 quarter hours
ED 486 Internship in High School Education	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
PS 334 Adolescent Psychology	5 quarter hours
ED 301 Introduction to the Exceptional Child	5 quarter hours

MAJOR REQUIREMENTS:

PS 301 Social Science Research Techniques and Methods	5 quarter hours
ED 456 America and the World	5 quarter hours
Political Science Electives	10 quarter hours
ED 302 Problems of American Government	5 quarter hours

One of the following:

ED 303 Comparative State and Urban Government	
ED 305 Alabama Government	5 quarter hours

One of the following:

ED 360 Constitutional Law	
ED 364 Civil Liberties	5 quarter hours

One of the following:

ED 354 Communist Area Studies	
Y/PO 435 The Middle East	
ED 323 Twentieth Century Latin America	
ED 452 Comparative Political Systems	5 quarter hours

One of the following:

ED 377 Managing Public Safety Organizations	
ED 351 Political Sociology	5 quarter hours

One of the following:

ED 320 Introduction to International Commerce	
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PO 453 International Politics..... 5 quarter hours

A second major **is** required. The student must satisfy any additional General Education and/or Professional Education requirements inherent to the second major which are not stated above.

Bachelor of Science in Education - Psychology

1. Applicable general college requirements (p.33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics.....	5 quarter hours
History.....	5 quarter hours
College Algebra	5 quarter hours
Science (Must include both biological and physical)	15 quarter hours
Speech.....	5 quarter hours
*Health Education	1-4 quarter hours
*Physical Education	1-4 quarter hours

*For a combined total of 5 quarter hours.

3. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 333 Teaching Reading in the Content Area.....	5 quarter hours
ED 361 Measurement and Management	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School.....	5 quarter hours
ED 486 Internship in High School Education	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
PS 334 Adolescent Psychology	5 quarter hours
SE 301 Introduction to the Exceptional Child	5 quarter hours

4. MAJOR REQUIREMENTS:

General Psychology or PS 300 Contemporary Psychology	5 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology (Student must	

complete the course not selected as a professional education requirement	5 quarter hours
331 Social Psychology	5 quarter hours
341 Statistics in Behavioral Science	5 quarter hours
352 Abnormal Psychology	5 quarter hours
380 Experimental Psychology.....	5 quarter hours
402 Seminar in Psychotherapy	5 quarter hours
406 Physiological Psychology	5 quarter hours
One of the following:	
370 Behavior Modification	
404 Drug Dependence.....	5 quarter hours

A second major is required. The student must satisfy any additional General Education and/or Professional Education requirements inherent to the second major which are not stated above.

Bachelor of Science in Education - Social Science

Applicable general college requirements (p. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Mathematics	5 quarter hours
Science (Must include both biological and physical)	15 quarter hours
General Psychology	5 quarter hours
Speech	5 quarter hours
Health Education	1-4 quarter hours
Physical Education	1-4 quarter hours

*For a combined total of 5 quarter hours.)

PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education.....	5 quarter hours
ED 305 Computer and Media for Teachers.....	5 quarter hours
ED 333 Teaching Reading in the Content Area.....	5 quarter hours
ED 361 Measurement and Management.....	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School.....	5 quarter hours

ED 486 Internship in High School Education	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
PS 334 Adolescent Psychology	5 quarter hours
SE 301 Introduction to the Exceptional Child	5 quarter hours

4. MAJOR REQUIREMENTS:

Western Civilization or HU 330-340 Landmarks of Civilization.....	10 quarter hours
American History	10 quarter hours
SS 301 Social Science Research Techniques and Methods.....	5 quarter hours
EC 310 Basic Economics.....	5 quarter hours
EC 320 Introduction to International Commerce	5 quarter hours
GO 309 World Regional Geography	5 quarter hours
GO 311 Economic Geography	5 quarter hours
SO 351 Political Sociology.....	5 quarter hours
SO 302 Problems of American Government.....	5 quarter hours
HY 303 Alabama History	5 quarter hours
HY 400 Colonial and Revolutionary America	5 quarter hours

One of the following:

HY 405 19th Century America	
HY 403 20th Century America.....	5 quarter hours

One of the following:

HY 312 Revolutionary Europe	
HY 313 Europe in the Victorian Age	
HY 314 Contemporary Europe	
HY 404 Age of Reason	5 quarter hours

One of the following:

PO 303 Comparative State and Urban Government	
PO 305 Alabama Government	5 quarter hours

One of the following:

PO 360 Constitutional Law	
PO 364 Civil Liberties	5 quarter hours

One of the following:

456 America and the World	5 quarter hours
453 International Politics	5 quarter hours

One of the following:

301 Introduction to Philosophy	5 quarter hours
321 or PH 322 History of Philosophy I or II	5 quarter hours

Second major is **not** required.

For the student obtaining high school certification who wishes a middle school endorsement in social science, the following courses are required:

423 Materials and Methods of Teaching Social Science	5 quarter hours
423F Field Experience	1 quarter hour
300 Foundations of Education	5 quarter hours
332 Child Psychology	5 quarter hours
323 Principles and Practices of Teaching Reading	5 quarter hours
323C Clinical Experience	1 quarter hour

Advisor approved courses from the approved teaching field for 7-12 certification. Course must

be selected from at least two of these areas: (economics, geography, history,

political science, psychology, sociology, philosophy) 36 quarter hours

Bachelor of Science in Education - Secondary Trade and Industrial Education

General and Professional Education Requirements for the degree and applicable general college requirements (pg. 33).

At least one year compensated work experience in one of the trade and industrial education technologies is required for this degree.

Technical Training Credit - Up to 65 quarter hours maximum credit may be awarded to those who have at least three

years compensated work experience in a technical specialty and have completed a formal postsecondary technical training program; those who have not completed the formal technical training must have completed six years compensated work experience in a technical specialty to receive this credit.

4. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
*Science (To include both biological and physical)	20 quarter hours
Economics	5 quarter hours
Mathematics	5 quarter hours
History	5 quarter hours
General Psychology	5 quarter hours
Social Science Elective	5 quarter hours
Speech	5 quarter hours
*Health Education	1-4 quarter hours
*Physical Education	1-4 quarter hours
(*For a combined total of five quarter hours.)	

5. PROFESSIONAL EDUCATION REQUIREMENTS:

*ED 300 Foundations of Education	5 quarter hours
*PS 334 Adolescent Psychology	5 quarter hours
*SE 301 Introduction to the Exceptional Child	5 quarter hours
*VE 302 Foundations of Vocational and Technical Education.....	5 quarter hours
*VE 432 Methods of Teaching Vocational and Technical Education.....	5 quarter hours
*VE 433 Materials of Teaching Vocational and Technical Education	5 quarter hours
*Students may take only four (20 quarter hours) of the above prior to admission to teacher education.	
**ED 333 Teaching Reading in the Content Area	5 quarter hours
**VE 440 Testing and Evaluation in Vocational Education	5 quarter hours
**ED 486 Internship in High School Education	15 quarter hours
(**Require full admission to teacher education.)	

6. MAJOR REQUIREMENTS:

MG 348 Manpower and Labor Economics.....	5 quarter hours
VE 434 Occupational Analysis and Curriculum Development in Voc. & Tech. Education.....	5 quarter hours
VE 435 Industrial and Shop Safety	5 quarter hours
VE 436 Vocational Information and Guidance	5 quarter hours

1439 Youth Organization and Advisory Committees	5 quarter hours
1445 Functions of the Coordinator	5 quarter hours
1438 Shop Organization and Management.....	5 quarter hours

of the following:

1259 Basic Technical Specialty.....	50-65 quarter hours
1279 Transfer Technical Credit	

SPECIAL EDUCATION (Learning Disabilities)

The Special Education Program at Athens State College is designed to prepare professionals to work with the learning disabled across various age levels (N through Grade 12). The program provides pre-service training in preparation for the class "B" certificate.

Bachelor of Science in Education - Learning Disabled

Applicable general college requirements (p. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics	5 quarter hours
History.....	10 quarter hours
General Psychology	5 quarter hours
Mathematics	10 quarter hours
Biology	5 quarter hours
Physical Science.....	5 quarter hours
Speech.....	5 quarter hours
Introductory Sociology.....	5 quarter hours
Health Education	1-4 quarter hours
Physical Education	1-4 quarter hours
*For a combined total of 5 quarter hours.)	
Electives (Recommend Art and Music courses for Elementary Teachers.).....	10 quarter hours

3. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 324 Teaching Math to the Young Child	5 quarter hours
ED 324C Clinical Experience	1 quarter hour
ED 333 Teaching Reading in the Content Area.....	5 quarter hours
ED 424 Materials and Methods of Teaching Mathematics in the Intermediate Grades	5 quarter hours
ED 424C Clinical Experience	5 quarter hours
ED 488 Internship in N-12 Education.....	15 quarter hours
PS 332 Child Psychology.....	5 quarter hours
PS 334 Adolescent Psychology.....	5 quarter hours
PS 461 Tests and Measurements	5 quarter hours
SE 301 Introduction to the Exceptional Child	5 quarter hours

4. MAJOR REQUIREMENTS:

ED 302 Language Development	5 quarter hours
ED 323 Principles and Practices of Teaching Reading.....	5 quarter hours
ED 323C Clinical Experience	1 quarter hour
PS 406 Physiological Psychology	5 quarter hours
SE 310 Learning Disabilities: Theories and Issues.....	5 quarter hours
SE 330 Planning Curriculum and IEP's for the Learning Disabled.....	5 quarter hours
SE 400 Classroom Management and Discipline.....	5 quarter hours
SE 410 Assessment of Exceptional Children	5 quarter hours
SE 420 Alternative Instructional Strategies.....	5 quarter hours
SE 430 Advanced Diagnostic and Implementation Strategies.....	5 quarter hours
SE 440 Meeting the Needs of the Secondary Learning Disabled	5 quarter hours
SE 450 Professional Development Seminar.....	5 quarter hours
SE 470 Parent and Professional Conferencing Techniques.....	5 quarter hours

A second major is **not** required.

SPECIAL EDUCATION MINOR

Those students who wish to minor in Special Education may do so through consultation with their advisor and Special Education professor(s). **IT IS UNDERSTOOD THAT THIS MINOR IS TO MEET COLLEGE REQUIREMENTS ONLY AND WILL NOT QUALIFY THE STUDENT TO MEET STATE CERTIFICATION REQUIREMENTS.** The following courses will be required of any student desiring to minor in Special Education:

301 Introduction to the Exceptional Child	5 quarter hours
330 Planning Curriculum and IEP's for the Learning Disabled	5 quarter hours
410 Assessment of the Exceptional Child.....	5 quarter hours
420 Alternative Instructional Strategies.....	5 quarter hours

The following courses are suggested as electives (two should be selected by the student")

302 Language Development	5 quarter hours
310 Learning Disabilities: Theories and Issues.....	5 quarter hours
440 Meeting the Needs of the Secondary Learning Disabled	5 quarter hours

VOCATIONAL AND TECHNICAL EDUCATION

The Division of Education offers a program designed to prepare instructors to serve in the trade and industrial areas of construction in technical colleges, institutes, military installations and schools. Admission to the program is dependent upon the student's validation of an acceptable trade or technology as noted by the Department of Labor Job Code. A student who does not possess such technology may not enter the program. These programs do not lead to Class B, Secondary Professional Certification, but do lead to Type II or Type I Certification.

Bachelor of Science in Education - Vocational and Technical Education

1. Applicable general college requirements (p. 33).
2. Technical training (up to 65 quarter hours maximum credit.) All work experience credit must be validated by the NOC or another comparable examination of competency.

3. GENERAL COLLEGE REQUIREMENTS:

English Composition	10 quarter hours
Mathematics	5 quarter hours
Science (One may be an approved Computer Science)	10 quarter hours
Economics	5 quarter hours
History	5 quarter hours
Sociology	5 quarter hours
Speech	5 quarter hours
Literature	10 quarter hours
Social Science	5 quarter hours
Psychology	5 quarter hours

4. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	5 quarter hours
PS 334 Adolescent Psychology or PS 335 Adult Psychology	5 quarter hours
SE 301 Introduction to the Exceptional Child	5 quarter hours
VE 302 Foundations of Vocational Education	5 quarter hours
VE 432 Methods of Teaching Vocational and Technical Education	5 quarter hours
VE 433 Materials of Teaching Vocational and Technical Education	5 quarter hours
VE 434 Occupational Analysis and Curriculum Development in Vocational and Technical Education	5 quarter hours
VE 483,484,485 Practicum in Teaching Vocational and Technical Education (In-service)	
VE 487 Internship in Vocational and Technical Education (Pre-Service)	15 quarter hours

5. At least three years compensated work experience in the technical specialty is required for those who have completed a formal postsecondary technical training program; those who have not completed the formal technical training must have completed six years compensated work experience in the technical specialty.

**Bachelor of Science in Education - Instructor/Staff
Development in Vocational and Technical Education**

Program components for the Bachelor of Science degree with an emphasis in Vocational and Technical Education include:

Applicable general college requirements (p. 33).

Technical Training (up to 74 quarter hours maximum credit). All work experience credit must be validated by the NOCT or another comparable examination of competency.

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities Electives	20 quarter hours
Social Science Electives	10 quarter hours
Behavioral Science Elective	5 quarter hours
Science (May include one approved Computer Science elective)	15 quarter hours
Mathematics	5 quarter hours
Adult Psychology.....	5 quarter hours

TECHNICAL TRAINING REQUIREMENTS:

Completion of one or more of the many technical courses such as the examples listed below. Please check with representatives from Athens State for a complete list:

1E SSM Sergeant
1F SSM Pershing
1B SSM Nike
0A Nuclear Weapons
L20 Pershing
L20 Nike
N20 Nike
E20 Wire Guided
1C SAM Hawk
K20 Hawk
Q20 Hawk
J20 Hawk
K20 Hawk

24L20 Hawk
27B20 Land Combat
27E20 Light Air Defense

5. VOCATIONAL EDUCATION COURSES REQUIRED:

ED 300 Foundations of Education.....	5 quarter hours
VE 302 Foundations of Vocational and Technical Education.....	5 quarter hours
VE 432 Methods of Vocational Technical Education	5 quarter hours
VE 433 Materials in Vocational Technical Education	5 quarter hours
VE 434 Occupational Analysis	5 quarter hours
VE 438 Shop Organization and Management.....	5 quarter hours
VE 440 Testing and Evaluation in Vocational Education	5 quarter hours
VE 446 Individualizing Instruction in the Vocational & Technical Programs.....	5 quarter hours
VE 483,484,485 Practicum in Teaching Voc. and Tech. Ed (Select one)	5 quarter hours



PHYSICAL EDUCATION

Physical Education at Athens State College offers courses which meet the requirements of the State Department of Education for Class "B" Teacher Certification for the professional programs in Physical Education (N-I2, Middle/Junior High School, and High School.), and the Bachelor of Science (non-certification) degree. With minor exceptions, General and Professional Education Requirements for the Physical Education major are common to each area of certification. A minor in Physical Education is also offered.

Bachelor Science in Physical Education (Non-Teaching Degree)

A major in Physical Education with a Bachelor of Science Degree responds to a need to prepare professionals with expertise in fitness, sports and recreation who become employed in such areas as business, industry, service agencies, correctional institutions and hospitals.

Program components for the Bachelor of Science in Physical Education degree include:

Applicable general college requirements (pg. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics.....	5 quarter hours
History.....	5 quarter hours
General Psychology	5 quarter hours
Humanities Elective	5 quarter hours
Biology	10 quarter hours
Physical Science.....	5 quarter hours
Mathematics	5 quarter hours
Speech.....	5 quarter hours

MAJOR REQUIREMENTS:

Introduction to Physical Education.....	5 quarter hours
Personal and Community Health.....	5 quarter hours
Emergency First Aid	5 quarter hours
Human Anatomy and Physiology	5 quarter hours
Physical Education Activity.....	5 quarter hours

PE 320 Analysis of Team Sports.....	3 quarter hours
PE 321 Analysis of Gym/Track/Field	3 quarter hours
PE 322 Analysis of Individual Sports	3 quarter hours
PE 323 Analysis of Rhythms and Aquatics.....	3 quarter hours
PE 325 Kinesiology.....	5 quarter hours
PE 326 History and Principles of Physical Education.....	5 quarter hours
PE 327 Physiology of Exercise	5 quarter hours
PE 333 Care and Prevention of Athletic Injuries.....	3 quarter hours
PE 352 Basic CPR Instructor's Course.....	3 quarter hours
PE 355 Health Related Fitness and Nutrition	5 quarter hours
PE 400 Organization and Administration of Physical Education.....	5 quarter hours
PE 401 Measurement and Evaluation of Physical Education.....	5 quarter hours
PE 431 Motor Development and Physical Activity	5 quarter hours
PS 332 Child Psychology.....	5 quarter hours
PS 334 Adolescent Psychology	5 quarter hours
SO 471 Aging in a Mass Society.....	5 quarter hours
PE 480 Practicum in Physical Education.....	15 quarter hours

A minor is **not** required.

Bachelor of Science in Education - Physical Education Major N-12 Certification

Program components for the Bachelor of Science in Education degree with a major in Physical Education, N-12 certification, include:

1. Applicable general college requirements (pg. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics	5 quarter hours
History.....	5 quarter hours
General Psychology	5 quarter hours
Social Science Elective	5 quarter hours
Human Anatomy and Physiology	6 quarter hours

logy.....	5 quarter hours
ysical Science.....	5 quarter hours
hematics	5 quarter hours
ech.....	5 quarter hours
logy Elective	5 quarter hours

PROFESSIONAL EDUCATION REQUIREMENTS:

300 Foundations of Education.....	5 quarter hours
305 Computers and Media for Teachers	5 quarter hours
333 Teaching Reading in the Content Area.....	5 quarter hours
488 Internship in N-12 Education.....	15 quarter hours
401 Measurement and Evaluation of Physical Education.....	5 quarter hours
430 Materials and Methods of Teaching Physical Education in the Elementary School.....	15 quarter hours
440 Materials and Methods of Teaching Physical Education in High School.....	5 quarter hours
332 Child Psychology.....	5 quarter hours
334 Adolescent Psychology.....	5 quarter hours
301 Introduction to the Exceptional Child	5 quarter hours

MAJOR REQUIREMENTS:

roduction to Physical Education.....	5 quarter hours
sonal and Community Health.....	5 quarter hours
ergency First Aid	5 quarter hours
ysical Education Activity	5 quarter hours
320 Analysis of Team Sports.....	3 quarter hours
321 Analysis of Gym/Track/Field	3 quarter hours
322 Analysis of Individual Sports	3 quarter hours
323 Analysis of Rhythms and Aquatics.....	3 quarter hours
325 Kinesiology.....	5 quarter hours
326 History and Principles of Physical Education.....	5 quarter hours
327 Physiology of Exercise	5 quarter hours
333 Care and Prevention of Athletic Injuries.....	3 quarter hours
350 Physical Education of the Exceptional Child	5 quarter hours
355 Health-Related Fitness and Nutrition	5 quarter hours
400 Organization and Administration of Physical Education.....	5 quarter hours
431 Motor Development and Physical Activity	5 quarter hours

second major is **not** required.

DIVISION OF HUMANITIES AND SOCIAL SCIENCES

Curtis D. Coleman, D.Min., Division Head
and Coordinator for Humanities

ACADEMIC UNIT	DEPARTMENT	DEPARTMENTAL MAJOR OR MINOR	Degree Option			Minor
			B.A.	B.S.	B.S. Ed.	
HUMANITIES	ART	Art	•			•
	ENGLISH & DRAMA	English	•		•	•
		Language Arts			•	
	MUSIC	Music				•
	RELIGION AND PHILOSOPHY	Religion	•			•
		Religion and Philosophy	•			•
		Philosophy				•
SOCIAL SCIENCE		Social Science			•	
	HISTORY	History	•		•	•
	POLITICAL SCIENCE	Political Science	•	•	•	•

The following academic departments are included within the Division of Humanities and Social Sciences: Humanities: (Art, Drama, English, Humanities, Music, Religion and Philosophy), Social Sciences: (History, Political Science, Geography and Anthropology.)

Information concerning the organization of the Division of Humanities and Social Sciences and regarding degrees, majors and minors, is provided in the chart above. A dot (•) is used to designate the degree option(s) for a particular major and indicate that a department offers a minor. Information is available through the coordinator whose name appears at the beginning of each departmental section.

It is the student's responsibility to comply with the requirements for a particular major. Alternations of a student's curriculum are **not** permitted without prior approval of the faculty advisor, the department coordinator, division head, and the academic dean.

HUMANITIES

Curtis D. Coleman, D.Min., Coordinator

The Humanities department offers programs in Art, Drama, English, Music, Religion, and Philosophy. Majors leading to the Bachelor of Arts degree are offered in all disciplines except music and drama. Minors are offered in all disciplines. Majors are offered in English and Language Arts leading to the Bachelor of Science in Education degree.

Approved Humanities Electives

Only those Art, Drama, English, Humanities, Music, Religion and Philosophy courses marked by a asterisk (*) will serve the Humanities electives required for the Bachelor of Arts or the Bachelor of Science programs.

Art (AR)

The purpose of the Art Department is to create an atmosphere and structure conducive to the self-growth of artists and to provide enriching educational experiences in the visual arts to non-art majors. The Art major includes courses in drawing, painting, sculpture, design, and art history. In addition, the Department offers enrichment courses in ceramics, drawing, painting, photography, and the visual arts for non-majors.

Bachelor of Arts - Art Major

Applicable general college requirements (pg. 33).

A minimum of sixty quarter hours of Art coursework, at least twenty-five quarter hours of which must be taken at Athens State College.

At least 30 hours of coursework must be upper-division.

GENERAL COLLEGE REQUIREMENTS:

English Composition	10 quarter hours
Literature	10 quarter hours

History.....	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	15 quarter hours
Social Science Elective (Other than History or Religion/Philosophy)	5 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Science (May include one approved Computer Science Elective)	15 quarter hours
Mathematics	5 quarter hours

5. MAJOR REQUIREMENTS:

AR 311 Landscape Painting and Drawing	5 quarter hours
AR 312 Figure Drawing.....	5 quarter hours
AR 314 Painting in Water Media.....	5 quarter hours
AR 317 Ceramic Sculpture.....	5 quarter hours
AR 402 Portfolio and Exhibition	1 quarter hour
AR 403 Directed Studies in Art Researc	2 quarter hours
AR 418 Art Studio	5 quarter hours
AR 423 History of Modern Art	5 quarter hours
AR 424 Late Modern Art History	5 quarter hours
AR 430 Advanced Drawing and Design or AR 410 Layout and Design	3 quarter hours
Electives in Art	17 quarter hours

6. All students declaring Art as a major or minor will be required to demonstrate proficiency in drawing, design, and knowledge of Art History before being admitted to the program. A student seeking admission to the program must submit portfolio to the department and be interviewed by the Art Faculty. If the faculty finds inadequacies in the student's preparation and does not feel that the student is adequately prepared to do Upper Division work, then remedial courses may be assigned.

7. A minor **is** required.

8. All students will be required to have an exhibit of their work on campus during their final quarter before graduation.

Art Minor

Art minors should notify a member of the art faculty of their intentions as soon as the art minor is declared. A minor in

consists of thirty quarter hours of Art coursework, including the following courses or their equivalent:

312 Figure Drawing.....	3 quarter hours
423 History of Modern Art	5 quarter hours
424 Late Modern Art History	5 quarter hours
430 Advanced Drawing and Design.....	3 quarter hours

English (EH)

English as an academic field encompasses both theory and practice in the reading and interpreting of literature as well in written and oral communication. All courses are designed to engage the intelligence, excite the imagination, improve scholarship, and increase the enjoyment of literature and language. Appropriate transferred courses may be substituted, when so evaluated, for listed courses. A student cannot obtain an English **major** attending classes only at night. It is recommended that EH 325 Myth and Folklore be taken in the course of study.

Bachelor of Arts - English (EH) Major

Applicable general college requirements (pg. 33).

At least fifty-five quarter hours of English coursework.

GENERAL EDUCATION REQUIREMENTS:

History.....	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	15 quarter hours
Social Science Elective (Other than History or Religion/Philosophy)	5 quarter hours
Behavioral Science Electives	10 quarter hours
Mathematics	5 quarter hours

MAJOR REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Speech.....	5 quarter hours
312 Dramatic Literature.....	5 quarter hours
325 Myth and Folklore in Literature	5 quarter hours

EH 414 History of the English Language.....	5 quarter hours
EH 425 Shakespeare: the Sonnets and the Plays.....	5 quarter hours
EH 431 Poetry.....	5 quarter hours

Choose one from the following:

EH 304 Southern Literature	
EH 307 Major Authors I (Ancience to Renaissance)	
EH 308 Major Authors II (Renaissance through Modern)	
EH 310 Film	
EH 320 Advanced Grammar	
EH 430 Literature: The Healing Art	
EH 433 Fiction	5 quarter hours

5. A minor **is** required.

Bachelor of Science in Education - English (EH) Major

1. Applicable general college requirements (pg. 33).

2. GENERAL EDUCATION REQUIREMENTS:

Economics	5 quarter hours
History	5 quarter hours
General Psychology	5 quarter hours
Social Science Elective	5 quarter hours
Mathematics	5 quarter hours
Science (Must include both biological and physical)	15 quarter hours
Science or Social Science Elective	5 quarter hours
*Health Education	1-4 quarter hours
*Physical Education	1-4 quarter hours

(*For a combined total of 5 quarter hours.)

3. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education.....	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 333 Teaching Reading in the Content Area.....	5 quarter hours
ED 361 Measurement and Management.....	5 quarter hours

431 Materials and Methods of Teaching in Middle School/High School	5 quarter hours
486 Internship in High School Education	15 quarter hours
330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
334 Adolescent Psychology	5 quarter hours
301 Introduction to the Exceptional Child	5 quarter hours

MAJOR REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey	10 quarter hours
Speech	5 quarter hours
312 Dramatic Literature	5 quarter hours
320 Advanced Grammar	5 quarter hours
325 Myth and Folklore in Literature	5 quarter hours
414 History of the English Language	5 quarter hours
425 Shakespeare: the Sonnets and the Plays	5 quarter hours
431 Poetry	5 quarter hours

One of the Following:

304 Southern Literature	
307 Major Authors I (Ancient to Renaissance)	
308 Major Authors II (Renaissance through Modern)	
310 Film	
430 Literature: The Healing Art	
433 Fiction	5 quarter hours

A second major is required. The student must satisfy any additional General Education and/or Professional Education requirements inherent to the second major which are not stated above.

For the student obtaining high school certification who wishes a middle school endorsement in English, the following courses are required:

321 Material and Methods of Teaching Language Arts	5 quarter hours
300 Foundations of Education	5 quarter hours
332 Child Psychology	5 quarter hours
323 Principles and Practices of Teaching Reading	5 quarter hours
323C Clinical Experience	1 quarter hour
Advisor approved courses from the approved teaching field for 7-12 certification.	36 quarter hours

Bachelor of Science in Education - Language Arts Major

1. Applicable general college requirements (pg. 33).

2. GENERAL EDUCATION REQUIREMENTS:

Economics	5 quarter hours
History	5 quarter hours
General Psychology	5 quarter hours
Social Science Elective	5 quarter hours
Mathematics	5 quarter hours
Science (Must include both biological and physical)	15 quarter hours
Electives	10 quarter hours
*Health Education	1-4 quarter hours
*Physical Education	1-4 quarter hours

(*For a combined total of 5 quarter hours.)

3. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 333 Teaching Reading in the Content Area	5 quarter hours
ED 361 Measurement and Management	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School	15 quarter hours
ED 486 Internship in High School Education	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
PS 334 Adolescent Psychology	5 quarter hours
SE 301 Introduction to the Exceptional Child	5 quarter hours

4. MAJOR REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey	10 quarter hours
Speech	10 quarter hours
EH 433 Fiction	5 quarter hours
EH 431 Poetry	5 quarter hours
EH 320 Advanced Grammar	5 quarter hours
EH 414 History of the English Language	5 quarter hours
EH 303 Journalism	5 quarter hours
EH 311 Drama Production	5 quarter hours

312 Dramatic Literature	5 quarter hours
400 Speech I	5 quarter hours
425 Shakespeare: the Sonnets and the Plays.....	5 quarter hours

ect two of the following:

304 Southern Literature	
307 Major Authors I (Ancient to Renaissance)	
308 Major Authors II (Renaissance through Modern)	
310 Film	
325 Myth and Folklore in Literature	
430 Literature: The Healing Art	10 quarter hours

second major is **not** required.

For the student obtaining high school certification who wishes a middle school endorsement in language arts, the following courses are required:

321 Materials and Methods of Teaching Language Arts	5 quarter hours
300 Foundations of Education.....	5 quarter hours
332 Child Psychology.....	5 quarter hours
323 Principles and Practices of Teaching Reading.....	5 quarter hours
323C Clinical Experience	1 quarter hour
Advisor approved courses from the approved teaching field for 7-12 certification. Courses must	
selected from at least two of these areas: (English, drama, journalism, speech)	36 quarter hours

English Minor

A minor in English consists of thirty-five quarter hours of English coursework including the following courses or their equivalent:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
414 History of the English Language.....	5 quarter hours
425 Shakespeare: the Sonnets and the Plays.....	5 quarter hours
Active in English.....	5 quarter hours

HUMANITIES

Humanistic content and humanistic methods are emphasized in the courses constituting the Humanities discipline. Particular attention is given to the study of language, to the application of the humanities to the human environment, and to the relevance of the humanities to current conditions of national life.

MUSIC

The Music curriculum serves three primary objectives: (1) to offer courses and musical experiences leading to a minor for Bachelor of Arts and Bachelor of Science degree students; (2) to offer electives for students who desire music humanities elective credit; and (3) to enrich the cultural life of the college and the community.

Music Minor

The minor in Music requires thirty quarter hours credit, at least fifteen quarter hours of which must be taken at Athens State College. The thirty hours must include the following courses or their equivalent:

MU 300/301/302 Music Theory.....	3 qtr. hours each
MU 304/305/306 Aural Musicianship.....	1 qtr. hour each
MU 321 Music Literature	5 qtr. hours
Applied Music (Piano and/or Voice)	1-2 qtr. hours each
Music Ensemble at Athens State College each quarter (for credit or non-credit)	1 qtr. hour each

***Prospective music minors should meet with music professor for advising prior to registration for their first quarter at Athens State College.**

APPLIED MUSIC
(Permission of Professor is Required)

J 371 - O	372 - O	373 - O	Private Organ	1 quarter hour
J 471 - O	472 - O	473 - O	Private Organ	1 quarter hour
J 371 - P	372 - P	373 - P	Private Piano	1 quarter hour
J 471 - P	472 - P	473 - P	Private Piano	1 quarter hour
J 371 - V	372 - V	373 - V	Private Voice	1 quarter hour
J 471 - V	472 - V	473 - V	Private Voice	1 quarter hour
J 381 - O	382 - O	383 - O	Private Organ	2 quarter hour
J 481 - O	482 - O	483 - O	Private Organ	2 quarter hour
J 381 - P	382 - P	383 - P	Private Piano	2 quarter hour
J 481 - P	482 - P	483 - P	Private Piano	2 quarter hour
J 381 - V	382 - V	383 - V	Private Voice	2 quarter hour
J 481 - V	482 - V	483 - V	Private Voice	2 quarter hour

One half-hour weekly

1 quarter hour credit

One hour lesson weekly

2 quarter hours credit

(With professors approval, these may be repeated for credit)

MUSIC ENSEMBLE
(Except Summer)

J 341 College Singers.....	1 quarter hour
J 343 Choral Union (permission of professor required).....	1 quarter hour
J 345 Selected Chorus	1 quarter hour
J 346 Instrumental Ensemble.....	1 quarter hour

RELIGION (RE) AND PHILOSOPHY (PH)

The Department of Religion and Philosophy has two basic purposes:

To make its courses informative and enriching for all students who wish to know more of the Judaeo-Christian tradition and other major religions of the world and who are interested in relating life to ultimate religious and philosophical concerns.

- To give students who major in this department an educational foundation that will prepare them for successful graduate study or, in the case of those who will not pursue a graduate degree, that will prepare them as thoroughly as a bachelor's program can accomplish for effective professional careers in vocations related to a religion and philosophy curriculum.

Approved Humanities Electives

Only those Religion and Philosophy courses marked by an asterisk (*) will serve as Humanities electives required for the Bachelor of Arts or the Bachelor of Science degree. Additional humanities electives, also marked by an asterisk (*), appear in the Art, English and Music sections of this catalog under course descriptions.

Bachelor of Arts - Religion Major

- Applicable general college requirements (p. 33).
- A fifty-five quarter hour major, including forty quarter hours of upper division courses, twenty-five quarter hours of which must be taken at Athens State College.

3. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature	10 quarter hours
History	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	15 quarter hours
Social Science Elective (Other than History or Religion/Philosophy)	5 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Science (May include one approved Computer Science Elective)	15 quarter hours
Mathematics	5 quarter hours

4. MAJOR REQUIREMENTS:

RE 301 Major Religions of the World	5 quarter hours
RE 320 Introduction to the Old Testament	5 quarter hours
RE 321 Introduction to the New Testament	5 quarter hours

327 Sociology of Religion.....	5 quarter hours
351 Christian Thought Today	5 quarter hours
403 Religion in Life.....	5 quarter hours
409 Christian Thought in Early Centuries	5 quarter hours
414 History of Christianity	5 quarter hours
301 Introduction to Philosophy.....	5 quarter hours
Electives in Religion.....	15 quarter hours -

RE 330/331 Biblical Hebrew Grammar I and II and RE 340/341 **New Testament** Greek for Beginners I and II will not apply toward the major.

Religion courses accepted from non-accredited schools will serve only as general electives, will not apply toward humanities or Social Science elective requirements, and will not apply toward the major.

Minor is required.

Bachelor of Arts - Religion and Philosophy Major

Applicable general college requirements (pg. 33).

A fifty-five quarter hour major, including forty quarter hours of upper division courses, twenty-five quarter hours of which must be taken at Athens State College. At least twenty quarter hours must be taken in each discipline.

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature	10 quarter hours
History.....	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	15 quarter hours
Social Science Elective (Other than History or Religion/Philosophy)	5 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Science (May include one approved Computer Science Elective).....	15 quarter hours
Mathematics	5 quarter hours

4. MAJOR REQUIREMENTS:

PH 301 Introduction to Philosophy.....	5 quarter hours
PH 312 Logic	5 quarter hours
PH 321 History of Philosophy I	5 quarter hours
PH 322 History of Philosophy II	5 quarter hours
PH 325 Philosophy of Religion.....	5 quarter hours
RE 320 Introduction to the Old Testament	5 quarter hours
RE 321 Introduction to the New Testament	5 quarter hours
Electives in Religion.....	10 quarter hours

5. RE 330/331 Biblical Hebrew Grammar I and II and RE 340/341 **New Testament** Greek for Beginners I and II will not apply toward the major.

6. Religion courses accepted from non-accredited schools will serve only as general electives, will not apply toward Humanities or Social Science elective requirements, and will not apply toward the major.

A minor is required.

Religion and/or Philosophy Minor

Thirty hours of Religion and/or Philosophy coursework constitutes a minor. RE 330/331 Biblical Hebrew Grammar I and II and RE 340/341 **New Testament** Greek for Beginners I and II will not apply toward a minor. Religion courses accepted from non-accredited schools will serve only as general electives, will not apply toward Humanities or Social Science elective requirements, and will not apply toward the minor.

SOCIAL SCIENCE

Harry M. Joiner, Ph.D., Coordinator

The Department of Social Sciences offers majors and minors in history and political science. A student can also earn an interdisciplinary major (B.S.Ed.) in social science. General electives are offered in geography, anthropology and social science.

Pre-law students: The student should consult the catalog of the law school he or she plans to attend for specific admission requirements. Political Science and history have been traditional majors for students planning to attend law school.

Bachelor Science in Education - Social Science Major

Applicable general college requirements (pg. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
General Psychology	5 quarter hours
Mathematics	5 quarter hours
Science (Must include both biological and physical)	15 quarter hours
Speech.....	5 quarter hours
Health Education.....	1-4 quarter hours
Physical Education.....	1-4 quarter hours
For a combined total of 5 quarter hours	

PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education.....	5 quarter hours
ED 305 Computer and Media for Teachers.....	5 quarter hours
ED 333 Teaching Reading in the Content Area.....	5 quarter hours
ED 361 Measurement and Management.....	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School.....	5 quarter hours
ED 486 Internship in High School Education.....	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
PS 334 Adolescent Psychology.....	5 quarter hours
SE 301 Introduction to the Exceptional Child	5 quarter hours

MAJOR REQUIREMENTS:

American History	10 quarter hours
Western Civilization or HU 330 - 340 Landmarks of Civilization.....	10 quarter hours
SS 301 Social Science Research Techniques and Methods.....	5 quarter hours
EC 310 Basic Economics.....	5 quarter hours
EC 320 Introduction to International Commerce	5 quarter hours
GO 309 World Regional Geography	5 quarter hours

GO 311 Economic Geography	5 quarter hours
SO 351 Political Sociology.....	5 quarter hours
SO 302 Problems of American Government	5 quarter hours
HY 303 Alabama History	5 quarter hours
HY 400 Colonial and Revolutionary America	5 quarter hours

One of the following:

HY 405 19th Century America	
HY 403 20th Century America.....	5 quarter hours

One of the following:

HY 312 Revolutionary Europe	
HY 313 Europe in the Victorian Age	
HY 314 Contemporary Europe	
HY 404 Age of Reason	5 quarter hours

One of the following:

PO 303 Comparative State and Urban Government	
PO 305 Alabama Government	5 quarter hours

One of the following:

PO 360 Constitutional Law	
PO 364 Civil Liberties	5 quarter hours

One of the following:

PO 456 America and the World	
PO 453 International Politics	5 quarter hours

One of the following:

PH 301 Introduction to Philosophy	
PH 321 or PH 322 History of Philosophy I or II	5 quarter hours

A second major is **not** required.

Student obtaining high school certification who wishes a middle school endorsement in social science must take the following courses:

423 Materials and Methods of Teaching Social Science	5 quarter hours
423F Field Experience.....	1 quarter hour
300 Foundations of Education.....	5 quarter hours
332 Child Psychology.....	5 quarter hours
323 Principles and Practices of Teaching Reading.....	5 quarter hours
323C Clinical Experience	1 quarter hour

Advisor approved courses from the approved teaching field for 7-12 certification. Course must be selected from at least two of these areas: (economics, geography, history, political science, psychology, sociology, philosophy) 36 quarter hours

ANTHROPOLOGY (AN)

A degree in anthropology is not offered at Athens State College. Any anthropology course may be taken as a social science elective.

GEOGRAPHY (GO)

A degree in geography is not offered at Athens State College. Any geography course may be taken as a Social Science elective.

HISTORY (HY)

The history faculty seeks to develop in its students an appreciation of our cultural heritage, an understanding of the world in which we live, and an awareness of the future. It strives to develop, in its majors, the research abilities necessary for graduate work.

Through service courses of interest to the non-major it makes the student aware of the cultural legacy from Europe, England, and the United States and affords an opportunity to study other areas of the world such as Latin America and the Middle East.

Bachelor of Arts - History Major

1. Applicable general college requirements (pg. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature	10 quarter hours
History.....	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	15 quarter hours
Social Science Elective (Other than History or Religion/Philosophy)	5 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Science (May include one approved Computer Science Elective)	15 quarter hours
Mathematics	5 quarter hours

3. MAJOR REQUIREMENTS:

Western Civilization	10 quarter hours
Survey of American History	10 quarter hours
HY/SS 301 Social Science Research Techniques and Methods.....	5 quarter hours
HY 400 Colonial and Revolutionary America	5 quarter hours
One other course in American History	5 quarter hours
Two courses in European History.....	10 quarter hours

One of the following:

HY 323 Twentieth Century Latin America	
HY/PO 354 Communist Area Studies	
HY 435 The Middle East.....	5 quarter hours

4. A minor is required.

5. The student should realize that for graduate school a reading knowledge of one or two languages is generally required.

Bachelor of Science in Education - History Major

1. Applicable general college requirements (pg. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey	10 quarter hours
Economics	5 quarter hours
General Psychology	5 quarter hours
Mathematics	5 quarter hours
Science (Must include both Biological and Physical)	15 quarter hours
Speech	5 quarter hours
Health Education	1-4 quarter hours
Physical Education	1-4 quarter hours
For a combined total of 5 quarter hours	

PROFESSIONAL EDUCATION REQUIREMENTS:

300 Foundations of Education	5 quarter hours
305 Computers and Media for Teachers	5 quarter hours
333 Teaching Reading in the Content Area	5 quarter hours
361 Measurement and Management	5 quarter hours
431 Materials and Methods of Teaching in Middle School/High School	5 quarter hours
486 Internship in High School Education	15 quarter hours
330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
334 Adolescent Psychology	5 quarter hours
301 Introduction to the Exceptional Child	5 quarter hours

MAJOR REQUIREMENTS:

American History	10 quarter hours
Western Civilization or HU 330 and 340 Landmarks of Civilization	10 quarter hours
3/HY 301 Social Science Research Techniques and Methods	5 quarter hours
303 Alabama History	5 quarter hours
400 Colonial and Revolutionary America	5 quarter hours
403 Twentieth Century America	5 quarter hours
312 Revolutionary Europe	5 quarter hours

Choose (I) of the following:

- 311 Dawn of Modern Europe
- 313 Europe in the Victorian Age
- 314 Contemporary Europe
- 404 The Age of Reason

HY 321 History of England: 55 BC to 1688	
HY 322 History of England: 1688 to Present.....	5 quarter hours

A second major **is** required. The student must satisfy any additional General Education and/or Professional Education requirements inherent to the second major which are not stated above.

A minor is **not** required.

For the student obtaining high school certification who wishes a middle school endorsement in history, the following courses are required:

ED 423 Materials and Methods of Teaching Social Science	5 quarter hours
ED 423F Field Experience.....	1 quarter hour
ED 300 Foundations of Education	5 quarter hours
PS 332 Child Psychology	5 quarter hours
ED 323 Principles & Practices of Teaching Reading	5 quarter hours
ED 323C Clinical Experience	1 quarter hour
Advisor approved courses from the approved teaching field for 7-12 certification	36 quarter hours

HISTORY MINOR

History is an approved area of study for a minor. The student is to complete at least thirty quarter hours of courses in History to include two of the following three courses:

HY 400 Colonial and Revolutionary America	5 quarter hours
HY 402 Civil War, Reconstruction, and Industrialization of America.....	5 quarter hours
HY 403 Twentieth Century America.....	5 quarter hours
Plus one advanced History course in a History area other than American History.	

POLITICAL SCIENCE (PO)

Political Science seeks to prepare students for careers in law, teaching, and public administration. Political science majors have also pursued careers in business and journalism.

The student preparing to enter law school, graduate school or government service should consider the Bachelor of Arts degree with a major in Political Science. The Bachelor of Science degree does not require a minor. The Bachelor of Science in Education degree is available to students who want to teach government in grades 7 to 12.

Bachelor of Arts - Political Science Major

1. Applicable general college requirements (p. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature	10 quarter hours
History	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	15 quarter hours
Social Science Elective (Other than History or Religion/Philosophy)	5 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Science (May include one approved Computer Science Elective)	15 quarter hours
Mathematics	5 quarter hours

3. MAJOR REQUIREMENTS:

American Government or PO 302 Problems of American Government	5 quarter hours
PO 300 Great American Issues or PO 351 Political Sociology	5 quarter hours
PO 303 Comparative State and Urban Government or PO 305 Alabama Government	5 quarter hours
EC/PO 320 Introduction to International Commerce or PO 453 International Politics	5 quarter hours
HY/PO 354 Communist Area Studies or PO 452 Comparative Political Systems	5 quarter hours
PO 377 Managing Public Safety Organizations	5 quarter hours
Electives in Political Science	20 quarter hours

4. An approved minor is required.

Bachelor of Science - Political Science Major

I. Applicable general requirements (pg. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science Electives (Other than Religion/Philosophy)	10 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Sciences (May include one approved Computer Science Elective)	15 quarter hours
Mathematics	5 quarter hours

3. MAJOR REQUIREMENTS:

American Government or PO 302 Problems of American Government	5 quarter hours
PO 300 Great American Issues or PO 351 Political Sociology	5 quarter hours
PO 303 Comparative State and Urban Government or PO 305 Alabama Government.....	5 quarter hours
EC/PO 320 Introduction to International Commerce or PO 453 International Politics.....	5 quarter hours
PO 377 Managing Public Safety Organizations	5 quarter hours
HY/PO 456 America and the World	5 quarter hours
Electives in Political Science.....	15 quarter hours

4. An approved minor is **not** required.

Bachelor of Science in Education - Political Science Major

1. Applicable general college requirements (pg. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics	5 quarter hours
Geography	5 quarter hours
History	5 quarter hours
General Psychology	5 quarter hours
Mathematics	5 quarter hours
Science (Must include both biological and physical)	15 quarter hours
Speech	5 quarter hours

*Health Education	1-4 quarter hours
*Physical Education	1-4 quarter hours
*For a combined total of 5 quarter hours.	

3. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 333 Teaching Reading in the Content Area	5 quarter hours
ED 361 Measurement and Management	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School	5 quarter hours
ED 486 Internship in High School Education	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
PS 334 Adolescent Psychology	5 quarter hours
SE 301 Introduction to the Exceptional Child	5 quarter hours

4. MAJOR REQUIREMENTS:

SS 301 Social Science Research Techniques and Methods	5 quarter hours
PO 456 America and the World	5 quarter hours
Political Science Electives	10 quarter hours
PO 302 Problems of American Government	5 quarter hours

One of the following:

PO 303 Comparative State and Urban Government	
PO 305 Alabama Government	5 quarter hours

One of the following:

PO 360 Constitutional Law	
PO 364 Civil Liberties	5 quarter hours

One of the following:

PO 354 Communist Area Studies	
HY/PO 435 The Middle East	
PO 323 Twentieth Century Latin America	
PO 452 Comparative Political Systems	5 quarter hours

One of the following:

PO 377 Managing Public Safety Organizations	
PO 351 Political Sociology	5 quarter hours

One of the following:

PO 320 Introduction to International Commerce

PO 453 International Politics..... 5 quarter hours

A second major **is** required. The student must satisfy any additional General Education and/or Professional Education requirements inherent to the second major which are not stated above.

Political Science Minor

The student seeking a minor in political science should complete thirty (30) quarter hours in political science courses. American Government, Comparative Government, and International Relations must be represented by at least one course in each area.



DIVISION OF BEHAVIORAL SCIENCES

Joe H. Slate, Ph.D., Division Head

DIVISION	ACADEMIC AREA	DEPARTMENTAL MAJOR OR MINOR	Degree Option			Minor
			B.A.	B.S.	B.S. Ed.	
BEHAVIORAL SCIENCE	PSYCHOLOGY	Psychology	•	•	•	•
		Behavioral Science		•		
		Personnel Psychology		•		
	SOCIOLOGY	Sociology	•	•		•
	JUSTICE STUDIES	Criminal Justice - Administration of Justice		•		•
		Criminal Justice - Corrections & Behavioral Science				
	PUBLIC SAFETY ADM.	Public Safety Adm.		•		

The Division of Behavioral Sciences offers majors in Psychology, Sociology, Criminal Justice, Public Safety Administration, Behavioral Science, and Personnel Psychology. Minors are offered in Psychology, Sociology, and Criminal Justice.

Degree options include the Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Education. Psychology majors may complete either of the degree options. Majors in Sociology may complete either the Bachelor of Arts or the Bachelor of Science degree. Criminal Justice majors must complete a concentration in either Administration of Justice or Corrections and Behavioral Science to earn the Bachelor of Science Degree. Public Safety Administration majors educate and prepare individuals for management and supervisory positions requiring technical competence and leadership skills in law enforcement, fire services, emergency medical services, loss prevention and wastewater management to obtain a Bachelor of Science degree. Behavioral Science and Personnel Psychology majors earn the Bachelor of Science degree.

PSYCHOLOGY (PS)

The program in psychology at Athens State College serves three related purposes. For students preparing for careers in psychology, the program seeks to provide a comprehensive background for graduate study. For students preparing for careers in education, business, law, medicine and other professions, psychology provides important basic knowledge relevant to those fields. Finally, the study of psychology offers the student an opportunity for increased self-understanding and insight into the behavior of others. The program in psychology is general in some respects and specialized in others. In its comprehensive survey of the major areas of psychology and its interdisciplinary emphasis, the program is general. In its specialized in-depth treatment of specific areas of study and its concentration on basic concepts and research skills, the program is specialized. The interdisciplinary programs in Behavioral Science and Personnel Psychology utilize the faculty resources in Business, Sociology, and Psychology in an effort to combine those academic areas related to careers in social service, business, and government.

Bachelor of Arts - Psychology Major

1. Applicable general college requirements (pg. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature	10 quarter hours
History	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	15 quarter hours
Social Science Elective (Other than History or Religion/Philosophy)	5 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Science (May include one approved Computer Science Elective)	15 quarter hours
Mathematics (Must be college algebra or the equivalent)	5 quarter hours

3. MAJOR REQUIREMENTS:

General Psychology or PS 300 Contemporary Psychology	5 quarter hours
PS 331 Social Psychology	5 quarter hours
PS 332 Child Psychology or PS 334 Adolescent Psychology	5 quarter hours
PS/SO 341 Statistics in Behavioral Science	5 quarter hours
PS 352 Abnormal Psychology	5 quarter hours
PS/SO 380 Experimental Psychology and Methodology for Behavioral Science	5 quarter hours

PS 402 Seminar in Psychotherapy	5 quarter hours
PS 406 Physiological Psychology	5 quarter hours
Electives in Psychology.....	10 quarter hours

4. A minor **is** required.

Bachelor of Science - Psychology Major

1. Applicable general college requirements (pg. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science Electives (Other than Religion/Philosophy).....	10 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Sciences (May include one approved Computer Science Elective)	15 quarter hours
Mathematics (Must be college algebra or equivalent).....	5 quarter hours

3 .MAJOR REQUIREMENTS:

General Psychology or PS 300 Contemporary Psychology	5 quarter hours
PS 331 Social Psychology	5 quarter hours
PS 332 Child Psychology or PS 334 Adolescent Psychology.....	5 quarter hours
PS/SO 341 Statistics in Behavioral Science	5 quarter hours
PS 352 Abnormal Psychology	5 quarter hours
PS/SO 380 Experimental Psychology and Methodology for Behavioral Science	5 quarter hours
PS 402 Seminar in Psychotherapy	5 quarter hours
PS 406 Physiological Psychology	5 quarter hours
Electives in Psychology.....	10 quarter hours

4. A minor **is not** required.

Bachelor of Science in Education - Psychology Major (High School)

1. Applicable general college requirements (p. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics	5 quarter hours
History	5 quarter hours
College Algebra	5 quarter hours
Science (Must include both biological and physical)	15 quarter hours
Speech.....	5 quarter hours
*Health Education	1-4 quarter hours
*Physical Education	1-4 quarter hours

*For a combined total of 5 quarter hours.

3. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education.....	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 333 Teaching Reading in the Content Area.....	5 quarter hours
ED 361 Measurement and Management	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School.....	5 quarter hours
ED 486 Internship in High School Education	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
PS 334 Adolescent Psychology	5 quarter hours
SE 301 Introduction to the Exceptional Child	5 quarter hours

4. MAJOR REQUIREMENTS:

General Psychology or PS 300 Contemporary Psychology	5 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology (Student must complete the course not selected as a professional education requirement)	5 quarter hours
PS 331 Social Psychology	5 quarter hours
PS 341 Statistics in Behavioral Science	5 quarter hours
PS 352 Abnormal Psychology	5 quarter hours
PS 380 Experimental Psychology and Methodology for Behavioral Science	5 quarter hours
PS 402 Seminar in Psychotherapy	5 quarter hours
PS 406 Physiological Psychology	5 quarter hours

- One of the following:
 PS 370 Behavior Modification
 PS 404 Drug Dependence..... 5 quarter hours
5. A second major **is** required. The student must satisfy any additional General Education and/or Professional Education requirements inherent to the second major that are not stated above.

Bachelor of Science - Behavioral Science Major

The Behavioral Science major is interdisciplinary, emphasizing both sociological and psychological concepts relative to the development and functioning of the individual in contemporary society. The purpose of this degree is to prepare students for work in the human resource field or for graduate study in Sociology, Psychology, or Social Work.

1. Applicable general college requirements (pg. 33).
2. **GENERAL EDUCATION REQUIREMENTS:**
- English Composition 10 quarter hours
 Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities,
 Music, Religion/Philosophy) 20 quarter hours
 Social Science Electives (Other than Religion/Philosophy)..... 10 quarter hours
 Behavioral Science Electives 10 quarter hours
 Natural Science (May include one approved Computer Science Elective) 15 quarter hours
 Mathematics (College algebra or equivalent) 5 quarter hours

3. **MAJOR REQUIREMENTS:**

- Psychology Courses Required:**
- General Psychology **or** PS 300 Contemporary Psychology 5 quarter hours
 PS 331 Social Psychology 5 quarter hours
 PS 332 Child Psychology **or** PS 334 Adolescent Psychology..... 5 quarter hours
 PS 352 Abnormal Psychology 5 quarter hours
 PS 380 Experimental Psychology and Methodology for Behavioral Science 5 quarter hours
 Electives in Psychology..... 20 quarter hours

Sociology Courses Required:

Introduction to Sociology.....	5 quarter hours
SO 312 Majority/Minority Group Relations.....	5 quarter hours
SO 362 Deviant Social Behavior or SO 360 The Contemporary American Family	5 quarter hours
SO 361 Social Analysis.....	5 quarter hours
PS/SO 341 Statistics in Behavioral Science	5 quarter hours
Electives in Sociology	20 quarter hours

4. A minor is **not** required.

PERSONNEL PSYCHOLOGY

The Department of Psychology in cooperation with the Division of Business Administration offers an interdisciplinary major in Personnel Psychology leading to the Bachelor of Science degree. Each of the participating academic division contributes faculty resources. The objective of this program is to provide broad professional competence for positions in business, industry, government, and human resource fields as well as preparation for graduate study in psychology, business, and related areas. A student planning to pursue graduate study is advised to supplement the interdisciplinary major with elective courses in the anticipated area of graduate study.

Bachelor of Science - Personnel Psychology

1. Applicable general college requirements (pg. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science Electives (Other than Religion/Philosophy)	10 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Science (May include one approved computer science elective)	15 quarter hours
Mathematics (College algebra or the equivalent)	5 quarter hours

3. MAJOR REQUIREMENTS:

***Psychology Course Requirements:**

General Psychology or PS 300 Contemporary Psychology	5 quarter hours
PS 331 Social Psychology	5 quarter hours
PS 335 Adult Psychology	5 quarter hours
PS 352 Abnormal Psychology	5 quarter hours
PS 368 Industrial and Personnel Psychology	5 quarter hours
PS 461 Tests and Measurements	5 quarter hours

*With approval of the advisor, a student may elect to take PS 470 and/or PS 471 Practicum in Psychology for 5 to 10 quarter hours of credit.

Business Administration Course Requirements:

GBA 311 Legal Environment of Business.....	5 quarter hours
EC 310 Basic Economics	5 quarter hours
MG 346 Management and Organization	5 quarter hours
MG 349 Human Resources Management	5 quarter hours
MG 375 Organizational Behavior	5 quarter hours
MG 410 Labor Law and Legislation	5 quarter hours
PS 341 Statistics in Behavioral Science or GBA 305 Statistical Methods of Business.....	5 quarter hours

4. A minor is **not** required.

PSYCHOLOGY MINOR

A minor in Psychology requires the completion of thirty quarter hours of coursework to consist of the following:

PS 300 Contemporary Psychology	5 quarter hours
PS 352 Abnormal Psychology	5 quarter hours
PS 331 Social Psychology	5 quarter hours
Psychology electives.....	15 quarter hours

PUBLIC SAFETY ADMINISTRATION
with Concentration in Criminal Justice, Fire Services,
Emergency Medical Services, Water and Wastewater Management

The Public Safety Administration program is designed to educate and prepare individuals for management and supervisory positions requiring technical competence and leadership skills in various areas of public safety including: law enforcement, fire services, emergency medical services, loss prevention, and water and wastewater management. Students who generally enter the program possessing a technical core of courses in their associate degree curriculum in one of the above listed areas, and the Public Safety Administration program at Athens State adds a management and administrative core to the student's curriculum. The degree program is designed to meet the needs of public safety professionals, specialists, and pre-service students in these fast-growing areas. It is a degree program jointly offered by the Divisions of Business and Behavioral Sciences.

Bachelor Science - Public Safety Administration

1. Applicable general college requirements (p.33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities (must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science (To include EC 310 or Principles of Economics I)	10 quarter hours
Behavioral Science	10 quarter hours
Natural Science	10 quarter hours
Computer Science (Must be a business application course)	5 quarter hours
Math (College Algebra or its equivalent)	5 quarter hours

3. TECHNICAL CORE

Professional Program: Completion of Associates Degree (or equivalent) in law enforcement, fire science, EMS, loss prevention, Water and Wastewater Management	50 quarter hours
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4. ADMINISTRATION CORE:

AC 300 Basic Accounting	5 quarter hours
MG 320 Managerial Communications	5 quarter hours

MG 346 Management and Organization	5 quarter hours
MG 349 Human Resources Management	5 quarter hours
MG 375 Organizational Behavior.....	5 quarter hours
PSA 314 Legal Studies in Public Safety Administration.....	5 quarter hours
PSA 377 Managing Public Safety Organizations	5 quarter hours
FSM/EMS/PSA 425 Strategic Management Concepts for Public Safety.....	5 quarter hours
FSM/EMS/PSA 444 Topical Seminar/Research in Public Safety	5 quarter hours
FSM/EMS/PSA 465 Practicum/Internship.....	5 quarter hours

SOCIOLOGY (SO)

The program in Sociology seeks to provide students with a comprehensive background for graduate study in sociology. For students preparing for careers in social service, probation/parole, mental health and related areas, Sociology provides an important background knowledge base.

Bachelor of Arts - Sociology Major

Applicable general college requirements (pg. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature.....	10 quarter hours
History.....	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	15 quarter hours
Social Science Elective (Other than History or Religion/Philosophy)	5 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Science (May include one approved Computer Science Elective)	15 quarter hours
Mathematics (College algebra or equivalent)	5 quarter hours

MAJOR REQUIREMENTS:

Elective in Biology (Select one)
Human Genetics

Human Sexuality.....	5 quarter hours
SO 312 Majority/Minority Group Relations.....	5 quarter hours
SO 341 Statistics in Behavioral Science.....	5 quarter hours
SO 360 The Contemporary American Family.....	5 quarter hours
SO 361 Social Analysis.....	5 quarter hours
SO 362 Deviant Social Behavior.....	5 quarter hours
SO 380 Experimental Psychology & Methodology for Behavioral Science.....	5 quarter hours
SO 461 Sociological Theories.....	5 quarter hours
Sociology Electives	10 quarter hours

4. A minor **is** required.

Bachelor of Science - Sociology Major

1. Applicable general college requirements (pg. 33).

2. Major in sociology to consist of fifty quarter hours.

3. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Humanities, Music, Religion/Philosophy).....	20 quarter hours
Social Science Electives (Other than Religion/Philosophy).....	10 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Sciences (May include one approved Computer Science Elective)	15 quarter hours
Mathematics (Must be college algebra or equivalent)	5 quarter hours

4. MAJOR REQUIREMENTS:

Elective in Biology (Select one)

Human Genetics	5 quarter hours
Human Sexuality.....	5 quarter hours
Introduction to Sociology.....	5 quarter hours
SO 312 Majority/Minority Group Relations	5 quarter hours
SO 341 Statistics in Behavioral Science.....	5 quarter hours

SO 360 The Contemporary American Family.....	5 quarter hours
SO 361 Social Analysis.....	5 quarter hours
SO 362 Deviant Social Behavior	5 quarter hours
SO 380 Experimental Psychology & Methodology for Behavioral Science.....	5 quarter hours
SO 461 Sociological Theories.....	5 quarter hours
Sociology Electives	10 quarter hours

A minor is **not** required.

SOCIOLOGY MINOR

A minor in Sociology requires the completion of thirty quarter hours of coursework to consist of the following:

SO 312 Majority/Minority Group Relations.....	5 quarter hours
PS/SO 341 Statistics in Behavioral Science.....	5 quarter hours
SO 362 Deviant Social Behavior	5 quarter hours
SO 461 Sociological Theories.....	5 quarter hours
Sociology Electives	10 quarter hours

JUSTICE STUDIES (JS)

(Justice Studies and the JS course prefix replace Criminal Justice and the CJ course prefix in previous catalogs.)
The Justice Studies program is planned to present and enhance student opportunities in the criminal justice field relating to a wide range of professions involved with criminal law-related institutions. These opportunities include professional careers in law enforcement and correctional administration, security positions in private industry, judicial administration, and probation and parole. Justice Studies is also an acceptable pre-law curriculum for most law schools.

Bachelor of Science - Criminal Justice Major

1 Applicable general college requirements (pg. 33).

2 GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
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Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science Electives (Other than Religion/Philosophy).....	10 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Science (Must include one approved Computer Science Elective).....	15 quarter hours
Mathematics (College algebra or equivalent)	5 quarter hours

3. MAJOR REQUIREMENTS:

JS 300 Survey of Criminal Justice	5 quarter hours
JS 301 The Criminal Justice Process	5 quarter hours
JS 302 Criminal Law	5 quarter hours
MG 346 Management and Organization	5 quarter hours
JS/SO 401 Adult Corrections	5 quarter hours
JS/PS 408 Psychology of Criminal Behavior.....	5 quarter hours
JS/PO 450 Criminal Justice Courts.....	5 quarter hours
JS/SO 452 Advanced Criminology	5 quarter hours

4. CONCENTRATION OF COURSEWORK FROM ONE OF THE FOLLOWING:

Administration of Justice

AC 300 Basic Accounting or one additional computer science course	5 quarter hours
JS/PO/SO 350 Concepts of Justice	5 quarter hours
EC/SS 310 Basic Economics	5 quarter hours
MG 349 Human Resources Management	5 quarter hours
PSA 377 Managing Public Safety Organizations	5 quarter hours
PO 360 Constitutional Law or JS/PO 364 Civil Liberties.....	5 quarter hours
JS 410 Advanced Criminal Investigations or JS 441 Special Topics	5 quarter hours
JS 465 Criminal Justice Practicum	5 quarter hours

Corrections and Behavioral Science

PS 334 Adolescent Psychology or PS 335 Adult Psychology.....	5 quarter hours
PS/SO 341 Statistics in Behavioral Science	5 quarter hours
PS 370 Behavior Modification.....	5 quarter hours
SO 362 Deviant Social Behavior or PS 352 Abnormal Psychology	5 quarter hours
SO 312 Majority/Minority Group Relations or SO 453 Juvenile Delinquency	5 quarter hours

PO/JS/364 Civil Liberties or PO/JS/SO 350 Concepts of Justice	5 quarter hours
MG 349 Human Resources Management or JS 441 Special Topics	5 quarter hours
JS 460 Directed Studies or JS 465 Criminal Justice Practicum.....	5 quarter hours

A minor is **not** required.

CRIMINAL JUSTICE MINOR

A minor in Criminal Justice requires the completion of thirty quarter hours of coursework to consist of the following:

JS300 Survey of Criminal Justice	5 quarter hours
JS301 The Criminal Justice Process	5 quarter hours
JS401 Adult Corrections	5 quarter hours
JS450 Criminal Justice Courts	5 quarter hours
Justice Studies electives	10 quarter hours



DIVISION OF SCIENCE AND MATHEMATICS

Ronald C. McNutt, Ph.D., Division Head

DEPARTMENT	DEPARTMENTAL MAJOR OR MINOR	Degree Option			Minor
		B.A.	B.S.	B.S. Ed.	
BIOLOGY	Biology		•	•	•
CHEMISTRY	Chemistry		•	•	•
COMPUTER SCIENCE	Computer Science		•		•
MATHEMATICS	Mathematics		•	•	•
PHYSICS	General		•		•
	Instrumentation		•		
INSTRUMENTATION	Instrumentation		•		•
INTERDEPART- MENTAL	Health Science		•		
	Comprehensive Science			•	
	Science Management		•		

The following academic units and their respective departments are included within the Division of Science and Mathematics: Biology, Chemistry, Computer Science, Mathematics, Physics, and Instrumentation.

Both the organization of the Division of Science and Mathematics by academic unit, and information relative to degree options, majors, and minors, are summarized in the preceding chart. A dot (•) is used to designate the degree option(s) for a particular major and to indicate that a department offers a minor. **The summary reflects the same order used to arrange this section of the catalog.** For information regarding a particular departmental major or minor, the student is referred to that department's catalog description.

Science curricula require extended course sequences. Therefore, it is imperative that Science and Mathematics majors meet with an advisor, to be assigned by the Division Head, as soon as possible. It must be noted, however, that the student bears final individual responsibility for scheduling and completing all requirements for his or her degree. It is the student's responsibility to comply with the requirements for a particular major sponsored by the Division of Science and Mathematics. Under no circumstances are alterations of a particular curriculum permitted without prior approval of the student's faculty advisor, the Division Head, and the Academic Dean (see Adjustment of Curriculum page 28 of this catalog.) To fit specific student needs, special programs may be devised which vary slightly from published requirements.

A grade point average of 2.5 in the major field must be achieved by a student majoring in any field sponsored by the Division of Science and Mathematics in order to graduate.

Science and mathematics programs are designed to prepare the student for entrance into the job market or for continuing education in professional or graduate school. Departmental majors leading to the Bachelor of Science degree are offered in Biology, Chemistry, Computer Science, Mathematics, and Physics. The academic unit also sponsors a major in Health Science, and in cooperation with the Division of Business offers a Science and Management major and a major in Computer Information Systems. The Health Science and Science Management majors both lead to the Bachelor of Science degree. The Bachelor of Science in Education degree may be earned with majors in Biology, Chemistry, Mathematics, and Comprehensive Science.

Natural Science and Mathematics faculty are frequently involved in various research activities. Majors are strongly encouraged to participate with their professors in such research.

Pre-medical, Pre-dental, and Para-medical students: There are no nationally approved lists of required courses for pre-medical, pre-dental, or para-medical programs. Each professional school has its own specific requirements. In general, such schools seek students who have (1) a broad general education, (2) at least three years of college, preferably a baccalaureate degree, (3) a major in any field, according to the student's interest, and (4) basic science requirements, although not science courses that duplicate professional school coursework.

At Athens State College, pre-medical, pre-dental, and para-medical students are advised to major in either Biology or Chemistry. A program of study leading to a Bachelor of Science degree, tailored to meet specific recommendations of a particular professional school, will be worked out for the student in consultation with his or her academic advisor.

BIOLOGY (BI)

The objective of the major in Biology is to provide the graduate with a comprehensive science education, encompassing standard academic courses in Biology, Chemistry, Mathematics and Physics. Courses and programs are structured to provide basic coursework applicable to (1) fields requiring a general preparation in Biology, (2) graduate and professional programs, (3) medical and related health fields, and (4) secondary school teaching.

Biology offers majors leading to the Bachelor of Science degree and to the Bachelor of Science in Education degree. A minor is also offered.

BACHELOR OF SCIENCE - BIOLOGY MAJOR

Structured to prepare the students for research and technical areas requiring a baccalaureate degree, this program is also designed to satisfy most graduate and/or professional school admission requirements.

Program components for the Bachelor of Science degree with a major in Biology include:

1. Applicable general college requirements (pg. 33).

2. Completion of a pre-assessment examination; a post-assessment examination; and a field or laboratory research project prior to graduation. Research project results will be presented in a seminar to the Biology faculty, Biology major and other interested parties. **Results of the post-assessment examination will be reflected on the student's permanent record, as will be the title of the research project.**

3. A 62-64 quarter hour major, including a minimum of 37 quarter hours of upper division course work, **at least 24 quarter hours of which must be taken at Athens State College.** (Courses taken under the SICR agreement do not constitute upper division course work.) **Directed Study/Independent Study and/or Special Topics coursework will not satisfy course requirements for the major or minor.**

4. GENERAL COLLEGE REQUIREMENTS:

English Composition	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science Electives (Other than Religion/Philosophy).....	10 quarter hours
Behavioral Science Electives	10 quarter hours
Mathematics	5 quarter hours

5. MAJOR REQUIREMENTS:

* Principles of Biology.....	5 quarter hours
* General Botany	5 quarter hours
* General Zoology	5 quarter hours

***These courses must be completed first.**

BI 401 Cell Structure and Function.....	6 quarter hours
BI 402 Genetics.....	6 quarter hours
BI 403 General Ecology.....	6 quarter hours
BI 404 General Physiology.....	6 quarter hours
BI 450 Research Seminar.....	1 quarter hour

Four of the following courses:

Human Anatomy and Physiology (not satisfied by BI 311 which is for Physical Education majors only)	5 quarter hours
Microbiology	5 quarter hours

11 Invertebrate Systematics and Morphology	6 quarter hours
12 Invertebrate Development and Function.....	6 quarter hours
13 Field Vertebrate Zoology	6 quarter hours
14 Comparative Vertebrate Anatomy	6 quarter hours
31 Plant Systematics and Morphology	6 quarter hours
32 Plant Development and Function.....	6 quarter hours
40 Biological Research Fundamentals.....	6 quarter hours

A minor is **not** required.

The following science and mathematics courses, or their approved equivalents, are required:

General Chemistry (CH 303,304, and 305)
 Biochemistry (CH 413)
 Calculus (MA 303 and 304)
 Computer Science (PASCAL, C, or FORTRAN)

For those majors who plan to attend graduate, medical, or other professional school, the following courses also should be completed:

Physics, calculus-based (PY 301,302, and 303)
 Organic Chemistry (CH 311,312, and 313)
 Geography (BI 341, Physical Geography, or Biogeography)

HONORS IN BIOLOGY: The Biology faculty will select majors for Honors in Biology. The following criteria will be applied:

- A minimum 3.5 GPA for Biology coursework
- A minimum 3.0 GPA for all coursework
- A score of 90 or above for the post-assessment examination
- Satisfactory completion of the field or laboratory research project and seminar.

BACHELOR OF SCIENCE IN EDUCATION - BIOLOGY MAJOR

Applicable general college requirements (p. 33).

Completion of a pre-assessment examination; a post-assessment examination; and a field or laboratory research project prior to graduation. Research project results will be presented in a seminar to the Biology faculty, Biology majors,

and other interested parties. **Results of the post-assessment examination will be reflected on the student's permanent record, as will be the title of the research project. See standard sheet for B. S. Ed. Biology.**

3. A 62-64 quarter hour major, including a minimum of 37 quarter hours of upper division course work, **at least 24 quarter hours of which must be taken at Athens State College.** (Courses taken under the SICR agreement do not constitute upper division course work.) **Directed Study/Independent Study and/or Special Topics coursework will not satisfy course requirements for the major or minor.**

4. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics	5 quarter hours
History.....	5 quarter hours
General Psychology	5 quarter hours
Social Science Elective	5 quarter hours
College Algebra	5 quarter hours
Physics Survey	5 quarter hours
Chemistry Survey	5 quarter hours
One of the following:	
Natural or physical geography	
World, regional, or general geography	
Geology	
Meteorology.....	5 quarter hours
Speech.....	5 quarter hours
*Health Education	1-4 quarter hours
*Physical Education	1-4 quarter hours
*For a combined total of 5 quarter hours.	

5. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education.....	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 333 Teaching Reading in the Content Area.....	5 quarter hours
ED 361 Measurement and Management	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School.....	5 quarter hours
ED 486 Internship in High School Education	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
PS 334 Adolescent Psychology	5 quarter hours

301 Introduction to the Exceptional Child 5 quarter hours

MAJOR REQUIREMENTS:

(These courses must be completed first.)

Principles of Biology..... 5 quarter hours

General Botany..... 5 quarter hours

General Zoology..... 5 quarter hours

3401 Cell Structure and Function..... 6 quarter hours

3402 Genetics..... 6 quarter hours

3403 General Ecology..... 6 quarter hours

3404 General Physiology..... 6 quarter hours

3450 Research Seminar..... 1 quarter hour

Four of the following courses:

Human Anatomy and Physiology 5 quarter hours

Microbiology..... 5 quarter hours

3411 Invertebrate Systematics and Morphology..... 6 quarter hours

3412 Invertebrate Development and Function..... 6 quarter hours

3413 Field Vertebrate Zoology 6 quarter hours

3414 Comparative Vertebrate Anatomy..... 6 quarter hours

3431 Plant Systematics and Morphology 6 quarter hours

3432 Plant Development and Function..... 6 quarter hours

3440 Biological Research Fundamentals..... 6 quarter hours

Approved second teaching major **is** required.

Minor is **not** required.

HONORS IN BIOLOGY: The Biology faculty will select majors for Honors in Biology. The following criteria will be applied:

- a. A minimum 3.5 GPA for Biology coursework.
- b. A minimum 3.0 GPA for all coursework.
- c. A score of 90 or above for the post-assessment examination.
- d. Satisfactory completion of the field or laboratory research project and seminar.

For the student obtaining high school certification who wishes a middle school endorsement in biology, the following courses are required:

ED 420 Materials and Methods of Teaching Science	5 quarter hours
ED 300 Foundations of Education	5 quarter hours
PS 332 Child Psychology	5 quarter hours
ED 323 Principles and Practices of Teaching Reading	5 quarter hours
ED 323C Clinical Experience	1 quarter hour
Advisor approved courses from the approved teaching field for 7-12 certification	36 quarter hours

BIOLOGY MINOR

A minor requires completion of a minimum of thirty-three quarter hours of biology coursework. Included are eighteen quarter hours of upper division coursework, at least twelve of which must be taken at Athens State College.

The minor must include the following courses or their approved equivalents:

* Principles of Biology	5 quarter hours*
* General Botany	5 quarter hours*
* General Zoology	5 quarter hours*
*These courses must be completed first.)	

Three of the following:

BI 401 Cell Structure and Function	6 quarter hours
BI 402 Genetics	6 quarter hours
BI 403 General Ecology	6 quarter hours
BI 404 General Physiology	6 quarter hours
BI 411 Invertebrate Systematics and Morphology	6 quarter hours
BI 412 Invertebrate Development and Function	6 quarter hours
BI 413 Field Vertebrate Zoology	6 quarter hours
BI 414 Comparative Vertebrate Anatomy	6 quarter hours
BI 431 Plant Systematics and Morphology	6 quarter hours
BI 432 Plant Development and Function	6 quarter hours
BI 440 Biological Research Fundamentals	6 quarter hours

MARINE ENVIRONMENTAL SCIENCES CONSORTIUM

Athens State College is a member of the Marine Environmental Science Consortium, based at Dauphin Island, Alabama. This affiliation offers Athens State College students and faculty an opportunity to take courses and conduct research in estuarine and marine environments. Courses offered during the summer at Dauphin Island Sea Lab may be taken for credit at Athens State College toward a major or minor in biology or a minor in marine sciences. Some of the course offerings cannot be taken for biology major or minor credits, but may be taken as general elective credit. All programs of study that involve marine science courses must be approved by the MESC liaison officer. A list of summer course offerings can be obtained during the preceding Spring Quarter from the liaison officer. Active courses of undergraduate study sponsored by the Consortium and those taught on demand (*) are as follows:

Marine Biology
Marine Invertebrate Zoology
Marine Botany
Marine Geology
Marine Ecology
Marine Vertebrate Zoology
Coastal Ornithology
Marsh Ecology
Introduction to Oceanography

Marine Paleoecology
Recent Marine Sedimentation
Environmental Law
*Introduction to Coastal
Coastal Climatology
Commercial Marine Fisheries
Coastal Zone Management
*Ocean Science

TECH AQUA CONSORTIUM - UPPER CUMBERLAND BIOLOGICAL STATION

Athens State College is an Associate Member in the Tech Aqua Consortium based at Tennessee Technological University (Cookeville, Tennessee). This affiliation provides Athens State College students and faculty with the opportunity to take courses and conduct research at the Upper Cumberland Biological Station (Tech Aqua) located on Center Hill Reservoir near Smithville, Tennessee. Courses offered during the summer terms may be taken for credit at Athens State College toward a major or minor in biology. All programs of study that involve courses at Tech Aqua must be approved by the Tech Aqua liaison officer. A list of summer course offerings can be obtained during the preceding Spring Quarter from the liaison officer. Active courses of undergraduate study offered by the Consortium include the following:

Local Flora
Ecosystem Analysis
Ornithology
Ichthyology

Herpetology
Freshwater Invertebrates
Limnology
Entomology

CHEMISTRY (CH)

The chemistry major may earn either the Bachelor of Science degree or the Bachelor of Science in Education degree. The Bachelor of Science degree is sufficient preparation for a career in industrial or governmental chemistry laboratory and for graduate study, while the Bachelor of Science in Education degree prepares the student for high school teaching. With proper electives, the chemistry major can also enter postgraduate degree programs in law, medical or dental school, environmental sciences, and related fields.

Bachelor of Science - Chemistry

Program components for the Bachelor of Science degree with a major in Chemistry include:

I. Applicable general college requirements (pg. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science Electives (Other Than Religion/Philosophy)	10 quarter hours
Behavioral Science Electives	10 quarter hours

3. MAJOR COURSE REQUIREMENTS:

Chemistry I, II, III	15-18 quarter hours
CH 311,312,313 Organic Chemistry	15-18 quarter hours
CH 314,315 Polymer Science	10 quarter hours
CH 316 Composites	6 quarter hours
CH 324 Analytical Chemistry	5 quarter hours
CH 430,431,432 Physical Chemistry	15-18 quarter hours

Instrumental Analysis	5 quarter hours
S 315 PASCAL or CS 330 FORTRAN Programming	5 quarter hours
General Physics (Calculus based).....	15 quarter hours
A 303, 304 Calculus.....	10 quarter hours
A 305, 306 Intermediate Calculus	10 quarter hours
A 421 Differential Equations.....	5 quarter hours

A minor is **not** required.

Bachelor of Science in Education - Chemistry

Applicable general college requirements (p. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics	5 quarter hours
History.....	5 quarter hours
General Psychology	5 quarter hours
Social Science Elective	5 quarter hours
Physics Survey	5 quarter hours
Biology	5 quarter hours
Earth or Space Science	5 quarter hours
Speech.....	5 quarter hours
Health Education	1-4 quarter hours
Physical Education	1-4 quarter hours

For a combined total of 5 quarter hours.

PROFESSIONAL EDUCATION REQUIREMENTS:

D 300 Foundations of Education.....	5 quarter hours
D 305 Computers and Media for Teachers	5 quarter hours
D 333 Teaching Reading in the Content Area.....	5 quarter hours
D 361 Measurement and Management.....	5 quarter hours
D 431 Materials and Methods of Teaching in Middle School/High School.....	5 quarter hours

ED 486 Internship in High School Education.....	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
PS 334 Adolescent Psychology.....	5 quarter hours
SE 301 Introduction to the Exceptional Child	5 quarter hours

4. MAJOR REQUIREMENTS:

MA 303/304 Calculus.....	10 quarter hours
MA 305/306 Intermediate Calculus	10 quarter hours
General Chemistry or CH 303/304/305 Chemistry I,II,III	15-18 quarter hours
CH 311/312/313 Organic Chemistry	15-18 quarter hours
CH 324 Analytical Chemistry.....	6 quarter hours
CH 430 Physical Chemistry.....	6 quarter hours
Select one of the following:	
CH 314 Polymer Science	5 quarter hours
CH 413 Biochemistry.....	5 quarter hours

A second major **is** required. The student must satisfy any additional General Education and/or Professional Education requirements inherent to the second major which are not stated above.

CHEMISTRY MINOR

A minor in Chemistry requires:

General Chemistry.....	15-18 quarter hours
Upper Level Chemistry to be determined by Chemistry faculty.....	15-18 quarter hours
At least fifteen quarter hours of the minor coursework must be taken at Athens State College.	

COMPUTER SCIENCE (CS)

The Department of Computer Science offers majors leading to the Bachelor of Science in Computer Science and a Bachelor of Science in Computer Information Systems. The Department of Computer Science also supports the Science Management Major (see page 146) by offering a structured concentration in computer science. The Computer Science Department offers a minor in Computer Science for other science majors, for business majors, and majors in other disciplines that approve of Computer Science minors.

The Computer Science curriculum emphasizes structured programming, problem solving, and software engineering. The program includes a significant amount of hands-on use of computers. A maximum effort is made to maintain state-of-the-art software and hardware computer systems. Courses are continually added, updated or revised to ensure current academic excellence. The CS department is fortunate to have the assistance of the most knowledgeable, up-to-date computer science professionals as adjunct professors.

The Athens State College Computer Science program offers the opportunity for its graduates to be adequately prepared to enter a professional career in an appropriate computer related field.

The Computer Science Department imposes certain restrictions on accepting computer science courses from other institutions to be applied toward CS/CIS major or minor requirements:

to RPG courses.

Only one quarter of COBOL will be accepted.

Only one quarter of FORTRAN will be accepted.

Introduction to Computers and Basic Programming will not be accepted as electives in CS/CIS.

"System Analysis and Design" from other institutions cannot be substituted for CS 451.

Of the CS/CIS elective hours, 10 quarter hours must be completed at Athens State College.

Any deviation from the above restrictions must be approved by a CS advisor on an individual basis.

A minimum of 40 quarter hours must be completed at ASC in CS/CIS to earn a degree with a CS/CIS major.

Bachelor of Science - Computer Science Major (CS)

Program components for the Bachelor of Science degree with a major in Computer Science include:

Applicable general college requirements (pg. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition 10 quarter hours

Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science Electives	10 quarter hours
Behavioral Science Electives	10 quarter hours

3. MAJOR COURSE REQUIREMENTS:

MA 303/304/305/306 Calculus	20 quarter hours
PY 301/302/303 Physics (Calculus based)	15 quarter hours
MA 308 Discrete Mathematics	5 quarter hours
MA 310 Linear Algebra	5 quarter hours
MA 421 Differential Equations	5 quarter hours
MA 423 Numerical Analysis	5 quarter hours
CS 315 Pascal Programming	5 quarter hours
CS 341 Micro-Assembly Language	5 quarter hours
CS 330 FORTRAN Programming or CS 317 "C" Programming	5 quarter hours
CS 335 Programming Language	5 quarter hours
CS 345 Computer Architecture	5 quarter hours
CS 415 Operating Systems	5 quarter hours
CS 435 Data Structures	5 quarter hours
CS 440 Database Systems	5 quarter hours
CS 450 Software Engineering	5 quarter hours
CS 451 Systems Analysis and Design	5 quarter hours
CS 452 Software Implementation and Acceptance Testing Techniques	5 quarter hours
Approved Computer Science Electives	15 quarter hours

Bachelor of Science Computer Information Systems Option (CIS)

Program components for the Bachelor of Science degree with a major in Computer Information Systems include:

1. Applicable general college requirements (pg. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
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Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)		20 quarter hours
Social Science Electives		10 quarter hours
Behavioral Science Electives		10 quarter hours
Natural Science		10 quarter hours
Mathematics (College algebra or equivalent)		5 quarter hours

MAJOR COURSE REQUIREMENTS:

BA 300 Basic Accounting	5 quarter hours
BA 357 Investments	5 quarter hours
BA 305 Statistical Methods of Business I	5 quarter hours
BA 311 Legal Environment of Business	5 quarter hours
BA 310 Basic Economics	5 quarter hours
BA 350 Managerial Finance	5 quarter hours
BA 346 Management and Organization	5 quarter hours
BA 375 Organizational Behavior	5 quarter hours
BA 420 Business Policy	5 quarter hours
BA 331 Marketing Principles	5 quarter hours
BA 306 Special Math Topics for Computer Science	5 quarter hours
BA 315 Pascal Programming	5 quarter hours
BA 320 COBOL Programming	5 quarter hours
BA 325 Applied Spreadsheet	5 quarter hours
BA 317 "C" Programming or CS 423 Computer Graphics	5 quarter hours
BA 435 Data Structures	5 quarter hours
BA 440 Database Systems	5 quarter hours
BA 445 Advanced D-Base Programming	5 quarter hours
BA 450 Software Engineering	5 quarter hours
BA 451 Systems Analysis and Design	5 quarter hours
BA 452 Software Implementation and Acceptance Testing Techniques	5 quarter hours
Approved Computer Science Electives (Upper level)	15 quarter hours
CS 345 Computer Architecture	
CS 415 Operating Systems	
CS 316 Ada Programming	
CS 317 "C" Programming	

A minor is **not** required.

COMPUTER SCIENCE MINOR

A minor in Computer Science requires thirty-five quarter hours distributed in the following way:

CS 302 BASIC Programming	5 quarter hours
CS 306 Special Math Topics for Computer Science.....	5 quarter hours
CS 315 PASCAL Programming.....	5 quarter hours
Computer Science Electives (upper-level)	20 quarter hours

A minimum of 20 quarter hours of the computer science minor requirements must be completed at Athens State College.

MATHEMATICS (MA)

The Department of Mathematics offers majors leading to the Bachelor of Science and the Bachelor of Science in Education degrees which will prepare the graduate for scientific endeavors requiring detailed and exact scientific analysis, or a rewarding career as a high school and/or middle school mathematics teacher. A mathematics major combined with Computer Science minor will open many career opportunities for the graduate.

Bachelor of Science - Mathematics Major

Program components for the Bachelor of Science degree with a major in Mathematics include:

1. Specific degree requirements for the degree and applicable general college requirements (pg. 33).
2. A fifty-five hour major of which at least twenty-five hours must be taken at Athens State College.

3. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science Electives (Other than Religion/Philosophy).....	10 quarter hours

Behavioral Science Electives 10 quarter hours

MAJOR REQUIREMENTS:

Requirement #1:

Pre-Calculus (or equivalent).....	5 quarter hours
Calculus	10 quarter hours
Intermediate Calculus.....	10 quarter hours
Differential Equations	5 quarter hours
Upper Level Mathematics Electives.....	25 quarter hours
General Chemistry.....	15 quarter hours
General Physics (Calculus based).....	15 quarter hours
BASIC, FORTRAN, or PASCAL Programming	5 quarter hours

Requirement #2:

Instead of 15 quarter hours of Chemistry, the student may take:

Introductory Chemistry	5 quarter hours
CS 325 Applied Spreadsheet.....	5 quarter hours
CS 445 Advanced D-Base Programming	5 quarter hours

CS 325 and CS 445 cannot be used to satisfy computer science requirement.

An approved minor in a scientific field is required.

Bachelor of Science in Education - Mathematics Major

Applicable general college requirements (p. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Literature Survey.....	10 quarter hours
Economics.....	5 quarter hours
History.....	5 quarter hours
General Psychology	5 quarter hours

Social Science Elective	5 quarter hours
Biology	5 quarter hours
Physics Survey	5 quarter hours
Chemistry Survey	5 quarter hours
Speech	5 quarter hours
*Health Education	1-4 quarter hours
*Physical Education	1-4 quarter hours
*For a combined total of 5 quarter hours	

3. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	5 quarter hours
ED 305 Computers and Media for Teachers	5 quarter hours
ED 333 Teaching Reading in the Content Area	5 quarter hours
ED 361 Measurement and Management	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School	5 quarter hours
ED 486 Internship in High School Education	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology	5 quarter hours
PS 334 Adolescent Psychology	5 quarter hours
SE 301 Introduction to the Exceptional Child	5 quarter hours

4. MAJOR REQUIREMENTS:

MA 303/304 Calculus	10 quarter hours
MA 305/306 Intermediate Calculus	10 quarter hours
MA 314 College Geometry	5 quarter hours
MA 441 Special Topics	5 quarter hours
CS 301 Introduction to Computers and Programming or CS 302 BASIC Programming or	
CS 315 Pascal Programming or CS 330 FORTRAN Programming	5 quarter hours

Plus two mathematics electives (10 quarter hours of coursework) from the following:

MA 308 Discrete Mathematics	5 quarter hours
MA 310 Matrices and Linear Algebra	5 quarter hours
MA 316 Vector Analysis	5 quarter hours
MA 320 Modern Algebra	5 quarter hours
MA 401 Complex Numbers	5 quarter hours
MA 421 Differential Equations	5 quarter hours
MA 423 Numerical Analysis	5 quarter hours
MA 427 Applied Math I	5 quarter hours

A 428 Applied Math II	5 quarter hours
A 430/431 Theory of Statistics and Probability.....	5 quarter hours
A 450/451 Advanced Calculus	5 quarter hours

Students must take at least 25 quarter hours of the math major, at least 15 quarter hours of which must be beyond MA 428, at Athens State College.

Second major is **not** required.

For the student obtaining high school certification who wishes a middle school endorsement in mathematics, the following courses are required:

ED 424 Materials and Methods of Teaching Mathematics in Intermediate Grades.....	5 quarter hours
ED 424C Clinical Experience	1 quarter hour
ED 300 Foundations of Education.....	5 quarter hours
ED 332 Child Psychology.....	5 quarter hours
ED 323 Principles and Practices of Teaching Reading.....	5 quarter hours
ED 323C Clinical Experience	1 quarter hour
Advisor approved courses from the approved teaching field for 7-12 certification.....	36 quarter hours

MATHEMATICS MINOR

A minor in Mathematics requires thirty quarter hours of mathematics, including fifteen quarter hours of upper division coursework, at least ten quarter hours of which must be taken at Athens State College. The following courses must be included:

Calculus	10 quarter hours
Intermediate Calculus.....	10 quarter hours
Differential Equations	5 quarter hours

PHYSICS (PY)

The Physics program prepares the graduate for a career as a research laboratory physicist, for entry into a number of related fields including engineering, medicine, medical research, geology/geophysics, instrumentation, and for graduate degree programs in Physics.

The Physics program offers two options: (I) **General Physics** and (2) **Instrumentation Applications (IT)**.

Bachelor of Science - Physics

1. Applicable general college requirements (pg. 33).
2. At least twenty-five quarter hours of upper-division course work must be taken at Athens State College.
3. PY 301,302,303 will not be credited toward the upper division requirement.

4. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science Electives	10 quarter hours
Behavioral Science Electives	10 quarter hours

5. MAJOR COURSE REQUIREMENTS:

MA 303/304 Calculus	10 quarter hours
MA 305/306 Intermediate Calculus	10 quarter hours
MA 421 Differential Equations	5 quarter hours
MA 427 Applied Math	5 quarter hours
IT 435 Instrumentation Survey	5 quarter hours
CH 303/304/305 Chemistry I, II, III	18 quarter hours
PY 301/302/303 Physics	15 quarter hours
PY 305 Introduction to Modern Physics	5 quarter hours
PY 311/312 Electricity and Magnetism	10 quarter hours
PY 313/314 Mechanics	10 quarter hours
PY 411 Heat and Thermodynamics	5 quarter hours

A minor is **not** required.

Additional Courses:

General Physics Option

401 Complex Numbers	5 quarter hours
428 Applied Mathematics II	5 quarter hours
435/436 Senior Laboratory	6 quarter hours
Upper Level Physics Electives	20 quarter hours
General Electives	11 quarter hours

Instrumentation Applications Option

02 Interfacing Fundamentals	5 quarter hours
16 Applied Digital Electronics	5 quarter hours
25 Introduction to Robotics	5 quarter hours
40 Process Control Instrumentation	5 quarter hours
410 Introduction to Solid State Physics	5 quarter hours
Science Electives (Instrumentation, Chemistry, Physics, Math, or Computer Science beyond the introductory courses)	15 quarter hours
General Electives	7 quarter hours

PHYSICS MINOR

A minor in Physics requires thirty quarter hours of Physics including fifteen quarter hours of upper division coursework, at least ten quarter hours of which must be taken at Athens State College. Strict adherence to course prerequisites must be observed.

HEALTH SCIENCE

Athens State College believes that the medical sciences should be augmented with general studies. The close contact that members of the medical professions have with other individuals and the concomitant need for understanding and relating to these individuals as unique human beings are bases for this liberal arts program.

The Bachelor of Science degree with a major in Health Science is a two-year program of study offered to Registered Nurses and students certified in other para-medical fields.

The following credentials will be required and should be submitted to the Athens State College Office of Admissions and Records:

1. A transcript of the school of nursing record.
2. Evidence of RN licensure
3. Application materials normally required of all entering students.

College work taken in addition to the school of nursing requirements will be evaluated on its own merit for advanced standing and transfer credit. Coursework taken at an accredited college or university as part of the school of nursing requirements will be evaluated for advanced standing.

Bachelor of Science - Health Science Major

Program components for the Bachelor of Science degree with a major in Health Science include:

1. Applicable general college requirements (pg. 33).

2. GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science Electives (Other than Religion/Philosophy).....	10 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Science (May include one approved Computer Science Elective)	15 quarter hours
Mathematics	5 quarter hours

3. MAJOR COURSE REQUIREMENTS:

Major requirements may be satisfied by completing the courses specified by any regular academic department for major in the Bachelor of Science in Education degree program. If the chosen department does not specify a major for Bachelor of Science in Education degree program, forty quarter hours in that department chosen in conference between the student and his/her academic advisor, will satisfy the requirements.

Nursing Professionals seeking supervisory personnel management positions may wish to consider the following option:

301 Introduction to Computers.....	5 quarter hours
BA 311 Legal Environment of Business.....	5 quarter hours
BA 312 Introduction to Commercial Law.....	5 quarter hours
368 Industrial and Personnel Psychology	5 quarter hours
346 Management and Organization	5 quarter hours
349 Human Resources Management	5 quarter hours
Speech (or an approved Business elective).....	5 quarter hours
304 Sociology of Work (or an approved Business elective)	5 quarter hours
(Similar programs can be tailored to the needs of the student who has been certified in one of the para-medical fields such as dental hygiene, medical records, medical technology, health physicist, animal health technology, and others.)	

No less than ninety-six quarter hours of academic subject matter, in addition to the nursing school courses, are required for this program.

A minor is **not** required.

COMPREHENSIVE SCIENCE

High school science teachers may be certified in comprehensive science. Preparation for this certification requires a foundation developed by a minimum of twenty quarter hours of study in each of the following areas: biology, chemistry, physics, and earth and space science. Approval of all transfer science credits for advanced standing and approval of program projection by the students Science Division advisor is required.

Bachelor of Science in Education - Comprehensive Science

Applicable general college requirements (p. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
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Literature Survey.....	10 quarter hours
Economics.....	5 quarter hours
History.....	5 quarter hours
General Psychology.....	5 quarter hours
Social Science Elective.....	5 quarter hours
Speech.....	5 quarter hours
*Health Education.....	1-4 quarter hours
*Physical Education.....	1-4 quarter hours
*For a combined total of 5 quarter hours	

3. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education.....	5 quarter hours
ED 305 Computers and Media for Teachers.....	5 quarter hours
ED 333 Teaching Reading in the Content Area.....	5 quarter hours
ED 361 Measurement and Management.....	5 quarter hours
ED 431 Materials and Methods of Teaching in Middle School/High School Education.....	5 quarter hours
ED 486 Internship in High School Education.....	15 quarter hours
PS 330 Educational Psychology or PS 332 Child Psychology.....	5 quarter hours
PS 334 Adolescent Psychology.....	5 quarter hours
SE 301 Introduction to the Exceptional Child.....	5 quarter hours

4. MAJOR REQUIREMENTS:

Principles of Biology.....	5 quarter hours
General Botany.....	5 quarter hours
General Zoology.....	5 quarter hours
BI 322 Human Genetics or BI 401 Cell Biology.....	5 quarter hours
BI 321 Environmental Studies or BI 403 General Ecology.....	5 quarter hours
CH 303/304/305 Chemistry I,II,III.....	15-18 quarter hours
CH 324 Analytic Chemistry.....	6 quarter hours
GS 300 Astronomy.....	5 quarter hours
GS 302 Earth Science.....	5 quarter hours
MA 303/304 Calculus.....	10 quarter hours
MA 305/306 Intermediate Calculus.....	10 quarter hours
MA 421 Differential Equations.....	5 quarter hours
PY 301/302/303 General Physics.....	15 quarter hours
PY 305 Modern Physics.....	5 quarter hours
Earth or Space Science.....	5 quarter hours

second major is **not** required.

For the student obtaining high school certification who wishes a middle school endorsement in comprehensive science, the following courses are required:

1420 Materials and Methods of Teaching Science	5 quarter hours
1300 Foundations of Education	5 quarter hours
1332 Child Psychology	5 quarter hours
1323 Principles and Practices of Teaching Reading	5 quarter hours
1323C Clinical Experience	1 quarter hour
Advisor approved courses from the approved teaching field for 7-12 certification. Courses must	
be selected from at least two of these areas: (physics, earth & space science, biology, chemistry)	36 quarter hours

INSTRUMENTATION (IT)

Bachelor of Science - Instrumentation Major

Program components for the Bachelor of Science degree with a major in Instrumentation include:

Applicable general college requirements (pg. 33).

GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science Electives (Other than Religion/Philosophy)	10 quarter hours
Behavioral Science Electives	10 quarter hours

MAJOR COURSE REQUIREMENTS:

1303,304 Calculus	10 quarter hours
1301,302,303 General Physics (Calculus based)	15 quarter hours
1301 Introductory Chemistry	5 quarter hours
1301 Electronic Circuit Analysis	5 quarter hours

IT 302 Analog Instrumentation Electronics.....	5 quarter hours
IT 303 Digital Instrumentation Electronics.....	5 quarter hours
IT 310 Introduction to Microprocessors	5 quarter hours
IT 315 Maintenance and Repair	5 quarter hours
IT 401 Applied Data Communications	5 quarter hours
IT 402 Interfacing Fundamentals	5 quarter hours
IT 416 Applied Digital Design	5 quarter hours
IT 420 Electro Optics	5 quarter hours
IT 425 Introduction to Robotics	5 quarter hours
IT 440 Process Control Instrumentation.....	5 quarter hours
IT Electives.....	10 quarter hours
General Electives.....	47 quarter hours

4. At least twenty-five quarter hours of IT courses must be completed at Athens State College.

5. A minor is **not** required.

INSTRUMENTATION MINOR

A minor requires the following courses, of which at least fifteen quarter hours must be taken at Athens State College.

IT 301 Electronic Circuit Analysis.....	5 quarter hours
IT 302 Analog Instrumentation Electronics.....	5 quarter hours
IT 303 Fundamentals of Digital Instrumentation Electronics.....	5 quarter hours
IT 310 Introduction to Microprocessors	5 quarter hours
IT 402 Interfacing Fundamentals	5 quarter hours
IT Electives.....	10 quarter hours

SCIENCE MANAGEMENT MAJOR

Athens State College offers to interested students a Bachelor of Science degree with a major in Science Management. In addition to selected Business Administration courses, the major requires a concentration of coursework in either Biology, Chemistry, Mathematics, Physics, Instrumentation, or Computer Science. The Science Management major is designed

prepare students for an M.B.A. program or for a career in a technically oriented business field. Regarding program requirements and recommended electives, the student should consult with his or her Science and Mathematics or Instrumentation advisor.

Bachelor of Science - Science Management Major

Program components for the Bachelor of Science degree with a major in Science and Management include:

1 Applicable general college requirements (pg. 33).

2 GENERAL EDUCATION REQUIREMENTS:

English Composition	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy)	20 quarter hours
Social Science Electives (Other than Religion/Philosophy)	10 quarter hours
Behavioral Science Electives	10 quarter hours

3 MAJOR COURSE REQUIREMENTS:

Business Administration and Accounting Course Requirements:

Principles of Accounting I and II	10 quarter hours
Principles of Economics I and II	10 quarter hours
BA 305 Statistical Methods of Business	5 quarter hours
BA 311 The Legal Environment of Business	5 quarter hours
BA 312 Introduction to Commercial Law	5 quarter hours
MAK 331 Marketing Principles	5 quarter hours
MAK 346 Management and Organization	5 quarter hours

Natural Science and Mathematics Course Requirements:

Pre-Calculus	5 quarter hours
Calculus and Analytic Geometry	10 quarter hours
Chemistry I, II, III	15-18 quarter hours
General Physics (Calculus Based)	15 quarter hours
FORTRAN or Pascal Programming	5 quarter hours

4. The student must also complete one of the following concentrations of which at least twenty quarter hours must be taken at Athens State College.

Biology Concentration:

General Biology	15 quarter hours
Cell Biology	5 quarter hours
General Ecology	5 quarter hours
Genetics	5 quarter hours
Biology Electives	10 quarter hours

Chemistry Concentration:

Organic Chemistry	15-18 quarter hours
Analytical Chemistry	5 quarter hours
Physical Chemistry	5 quarter hours
Chemistry Electives	10 quarter hours

Physics Concentration:

Intermediate Calculus	10 quarter hours
General Physics	15 quarter hours

Mathematics Concentration:

Intermediate Calculus	10 quarter hours
Mathematics Electives (Upper level)	20 quarter hours

Instrumentation Concentration:

Eight approved five (5) quarter hour courses in Instrumentation	40 quarter hours
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Computer Science Concentration:

MA 308 Discrete Mathematics	5 quarter hours
CS 315 Pascal Programming	5 quarter hours
CS 320 COBOL Programming or CS 330 FORTRAN Programming	5 quarter hours
CS 340 Assembly Language Programming or CS 341 Micro Assembly Language	5 quarter hours
CS 400 Office Information Systems	5 quarter hours
CS 440 Database Systems	5 quarter hours
CS 450 Software Engineering	5 quarter hours
CS 451 System Analysis and Design	5 quarter hours
CS 452 Software Implementation and Acceptance Testing Techniques	5 quarter hours

ctives in Computer Science (Upper Level)..... 10 quarter hours

A minor is **not** required.



GENERAL STUDIES

The General Studies Program is designed to provide maximum flexibility in course selection for students with specific objectives in mind and for students who seek personal enrichment or fulfillment through collegiate study. While no specified major courses are required, the student must comply with all degree requirements for the Bachelor of Science Degree and satisfy all applicable general college requirements (page 33).

English Composition	10 quarter hours
Humanities Electives (Must represent three of the following five areas: Art, Literature, Humanities, Music, Religion/Philosophy).....	20 quarter hours
Social Science Electives (Other than Religion/Philosophy).....	10 quarter hours
Behavioral Science Electives	10 quarter hours
Natural Science (May include one Computer Science).....	15 quarter hours
Mathematics	5 quarter hours

While no specified major courses are required, the student must comply with all degree requirements for the Bachelor of Science degree and all other college regulations.



COURSE DESCRIPTIONS

Accounting (AC) Courses

- 300 Basic Accounting.** A survey of accounting principles and practices for the non-accounting major. Points of emphasis include financial statements, budget, and basic cost accounting concepts. 5 quarter hours
- 301 Decision Accounting.** (Prerequisite: AC 300 or Principles of Accounting I.) An examination of how business professionals use accounting concepts and data to facilitate effective decision making. 5 quarter hours
- 314 Governmental Accounting.** A study of accounting and budgetary procedures for units and agencies of federal, state and municipal government. 5 quarter hours
- 320 Computer Augmented Accounting** (Prerequisite: Principles of Accounting I and II) An introduction to the use of spreadsheet software in the accounting profession. Problems in financial accounting, financial reporting, and business data analysis will be solved using the personal computer. 5 quarter hours
- 321 Intermediate Accounting I.** (Prerequisite: Principles of Accounting I & II or equivalent) A survey of the financial reporting process, a detailed study of financial statements, and an analysis of generally accepted accounting principles. 5 quarter hours
- 322 Intermediate Accounting II** (Prerequisite: AC 321) An in-depth study of accounting theory applicable to the major asset categories of a business entity. 5 quarter hours
- 323 Intermediate Accounting III** (Prerequisite: AC 322) A review of the application of accounting theory to liability and stockholders equity balance sheet categories, culminating with a study of special purpose financial statements. 5 quarter hours
- 361 Federal Tax Accounting** (Prerequisite: Principles of Accounting I & II) An overview of federal tax laws and regulations applicable to individuals and sole proprietors. 5 quarter hours
- 371 Cost Accounting** (Prerequisite: AC 321) An introduction to the preparation and interpretation of cost accounting data to be used by management in the twin entrepreneurial functions of planning and control. Job order, process and standard cost systems will be studied in depth. 5 quarter hours

AC 401 Auditing (Prerequisite: AC 323) Auditing theory and practice, with emphasis given to the function of the audit the certification of financial statements by an independent auditor. 5 quarter hours

AC 431 Advanced Accounting (Prerequisite: AC 323) A study of the application of accounting theory to the complexity of the partnership and corporate forms of business organization, emphasizing the problems associated with organizational change. 5 quarter hours

AC 441, 442, 443, 444 Special Topics in Accounting. To be offered on occasion of student demand or need. 1-5 qtr. hours

AC 460 Directed Study/Research in Accounting. To be offered on occasion of student demand or need. 1-5 qtr. hours

AC 461 Federal Tax Accounting II. (Prerequisites: AC 321 and AC 361) The application of the federal income tax law as it applies to partnerships and corporations, with emphasis on the differences which exist between financial and tax accounting. 5 quarter hours

Anthropology (AN) Courses

AN 301 Principles of Cultural Anthropology. Presents the cultures of isolated societies studied by early 20th century anthropologists and the current effects of contacts and diffusions of the industrial and post-industrial societies on the formerly isolated cultures. 5 quarter hours

Art (AR) Courses

***AR 300 Drawing.** An introduction to drawing techniques with emphasis upon developing drawing skills, perceptual abilities and the ability to think visually and critically. 5 quarter hours

***AR 301 Painting.** (Lab fee) An introduction to basic oil painting theory and techniques and a study of the history of painting. Museum visits and critiques will be included. 5 quarter hours

AR 309 Materials and Methods of Art in Elementary School. (Lab fee) A course designed to prepare the classroom teacher in the basics of Art education theory and practice; to give the classroom teacher experience with and confidence in his or her ability to use art materials and to lead the students in art activities; to arrive at a philosophy of art education; to learn to plan, motivate and evaluate art experiences; and to learn the relationship between the child's development and his visual representation. 5 quarter hours

- AR 311 Landscape Painting and Drawing.** (Prerequisite: AR 300, 301 or equivalent). Man's environment as a subject for drawing and painting in a variety of media. Direct study from nature. 5 quarter hours
- AR 312 Figure Drawing.** (Prerequisite: AR 300 or equivalent). Emphasis upon the human figure. 5 quarter hours
- AR 313 Portrait Drawing and Painting.** Using a variety of media to develop skills in portraiture. 5 quarter hours
- AR 314 Painting in Water Media.** Using transparent and opaque water color techniques. 5 quarter hours
- AR 315 Ceramics I.** (Lab fee). An introduction to basic ceramic techniques with emphasis upon hand-constructed ceramics. The course will include a study of the history of ceramics from prehistory to modern times. 5 quarter hours
- AR 316 Ceramics II.** (Lab fee). Emphasis upon developing the student's skills in using the potter's wheel and in using hand-building methods to create personal forms and imagery. 5 quarter hours
- AR 317 Ceramic Sculpture.** An exploration of sculptural media, particularly clay and terra cotta. 3 quarter hours
- AR 321 Set Design.** This course will cover the designing of a stage set from conception through mock-up, construction and implementation. Set(s) will be designed for actual use. Material covered will be pertinent to productions ranging from children's plays to community and college theater. Course usually runs concurrently with drama production. 5 quarter hours
- AR 330 Photography I.** (Note: This course requires the student to purchase supplies in addition to the lab fee). An exploration of basic techniques in black and white photography with emphasis upon creativity and darkroom activities. The course will include the history of photography and its relationship to other arts and to technology and critiques. 5 quarter hours
- AR 331 Photography II.** (Note: This course requires the student to purchase supplies in addition to the lab fee). Advanced theory and practice in primarily black and white photography. 5 quarter hours
- AR 340 The Visual Arts.** An analysis and examination of the visual arts in terms of both stylistic development and the relationship between the visual arts and other humanistic endeavors. The development of art from pre-history to the 20th century. Students will have studio experiences and be required to make museum visits. 5 quarter hours
- AR 341 Art History - The Ancient World.** The history of art including pre-history, Egyptian, Sumerian, Assyrian, Babylonian, Persia, Early Chinese, Greek and pre-Christian Roman. 5 quarter hours

- *AR 342 Art History - The Medieval World.** The history of art from the first century to the Renaissance, including Roman, Early Christian, the Dark Ages, Islamic, Byzantine Art, Romanesque and Gothic Art. 5 quarter hours
- *AR 343 Art History - The Renaissance World.** The history of Art from the Early Renaissance through the first part of the 19th century including the Renaissance, Mannerism, Baroque, Neo Classicism and 19th Century Realism and Romanticism. 5 quarter hours
- AR 401 Advanced Figure Drawing.** (Prerequisite AR 312. Lab fee). A continuation of Figure Drawing, building on techniques learned in AR 312 to create a finished product. 5 quarter hours
- AR 402 Portfolio and Exhibition.** (A required course for art major.) Advanced students will compile a professional portfolio and hang their senior exhibition. To be taken one of the last two quarters of the senior year. 1 quarter hour
- AR 403 Directed Studies in Art Research.** To familiarize the students with the proper utilization of the basic reference books, abstracts, monographs and indexes for the purpose of college writing and research in the content area of art. 2 quarter hours
- AR 408 Printmaking.** Development of techniques in various print media. 5 quarter hours
- AR 410 Layout and Design.** (Lab included. Prerequisite: Associate Degree in Art or equivalent). Concepts will be covered from visualizations through finished projects. Problems in composition in commercial as well as fine arts projects will be assigned. This course is designed to produce a portfolio of finished projects. 5 quarter hours
- AR 411 Airbrush.** (Lab included. Prerequisite: Permission of instructor.) Students will develop competence in airbrush techniques for commercial as well as fine arts applications. 5 quarter hours
- AR 418,419,420 Art Studio.** (Prerequisite: Art major/minor.) Working with a selected professor, the student will define and explore a creative project. Student will be allowed to determine the direction of his or her own project. 5 quarter hrs.
- *AR 423 History of Modern Art.** The post-impressionist period through 1945. 5 quarter hours
- *AR 424 Late Modern History.** 1945 to present. 5 quarter hours
- AR 430 Advanced Drawing and Design.** Advanced concepts in drawing and composition. 5 quarter hours
- AR 441,442 Special Topics in Art.** To be offered on occasion of student demand or need. 1-5 qtr. hours

- R 450 Internship in Art.** An internship program in which the student will receive training with a commercial enterprise relating to his or her area of experience. 1-5 quarter hours
- R 460 Special Workshops in Arts and Crafts.** 1-5 quarter hours

Biology (BI) Courses

- 311 Human Anatomy and Physiology (Physical Education Majors).** (Prerequisites: Principles of Biology. Required of Physical Education majors. May not be used by Biology majors to fulfill B.S. or B.S.Ed. requirements.) This course deals with the study of the structure and physiology of the human body with emphasis on the skeletal, muscular, circulatory, and respiratory systems. 5 quarter hours
- 321 Environmental Studies.** (No prerequisites.) Presents biological and physical aspects of environmental problems, integrating current legal, economic, social and technical developments. 5 quarter hours
- 322 Human Genetics.** (No prerequisites.) Presents the principles of human genetics and considers the social, cultural, and ethical implications of these principles as they are applied to the human condition. 5 quarter hours
- 323 Human Sexuality.** A comprehensive and integrated approach to human sexuality emphasizing biological aspects of environmental problems, integrating current legal, economic, social and technical developments. 5 quarter hours
- /GO 341 Natural Geography.** (No prerequisite.) Presents the physical and biological aspects of geography. Designed to instill a greater appreciation and awareness of man's physical environment and of the mechanisms which control the distribution of plants and animals on our planet. Included is a six-week segment concerning the physical aspects of the atmospheric, aquatic, and terrestrial environments, and a four week segment concerning the biological aspects of geography. 5 quarter hours
- 342 Plants and Civilization.** (No prerequisite.) Presents the important role plants have played in the development of civilizations and cultures, past and present. Emphasis is placed on the origins of agriculture and domestication of plants, on the development of early irrigation and rainfall agriculture civilizations, on the importance of plants in religion, medicine, commerce, politics, and war, and on the future of plants in relation to man. 5 quarter hours
- 401 Cell Structure and Function.** (Prerequisites: Principles of Biology and College Science Chemistry. Laboratory included.) An in-depth study of the structure and function of living cells, emphasizing ultrastructure and fundamental physiological processes. 6 quarter hours

- BI 402 Genetics.** (Prerequisite: Principles of Biology. Laboratory included.) An up-to-date treatment of genetics within the bounds of a one-term course, emphasizing the structure, function, and regulation of genes, recombinant DNA techniques and applications, principles and patterns of Mendelian inheritance, and human chromosomal aberrations. 6 quarter hours
- BI403 General Ecology.** (Prerequisite: Principles of Biology; recommend General Botany and Zoology. Laboratory included.) Study of the living organisms on Earth and how they interact with one another and with their nonliving environments. These interactions are investigated at the individual, population, community, and ecosystem levels. Qualitative, quantitative, and theoretical aspects of ecology will be emphasized. 6 quarter hours
- BI 404 General Physiology.** (Prerequisites: Principles of Biology; General Zoology; General Botany; College Science Physics; College Science Chemistry. Laboratory included.) A general introduction to the study of life processes in plants and animals, including consideration of transport phenomena, metabolism, respiration, photosynthesis, and physiology of individual plant and animal systems. 6 quarter hours
- BI 411 Invertebrate Systematics and Morphology.** (Prerequisites: Principles of Biology; General Zoology. Laboratory included.) Inclusive and in-depth survey course of the invertebrate animals covering all phyla from the protozoa through echinoderms. Emphasis on the morphological structures characterizing each phylum, on the systematic approach taken in each phylum, and on phylogenetic relationships among the various phyla. Labs emphasize collection techniques, identifications, and proper archiving of specimens. 6 quarter hours
- BI 412 Invertebrate Development and Function.** (Prerequisites: Principles of Biology; General Zoology. Laboratory included.) Study of developmental and functional aspects of invertebrates. Emphasis on feeding, locomotion, respiration, excretion, defense, reproduction, development, and control. All major taxonomic groups of invertebrates will be considered. Labs will emphasize controlled experimental techniques, as well as field investigative techniques. 6 quarter hours
- BI 413 Field Vertebrate Zoology.** (Prerequisites: Principles of Biology; General Zoology. Laboratory included.) Presents the principles of vertebrate systematic biology, factors governing distribution of vertebrates, methods used by vertebrates to solve environmental problems, reproductive physiology and behavior, and population dynamics. The overall approach is ecological rather than morphological. Special emphasis upon the collection and identification of local aquatic and terrestrial vertebrates. 6 quarter hours
- BI 414 Comparative Vertebrate Anatomy.** (Prerequisites: Principles of Biology; General Zoology. Laboratory included.) Presents functional and comparative morphology of chordates with emphasis on developmental and evolutionary perspectives. 6 quarter hours

431 Plant Systematics and Morphology. (Prerequisites: Principles of Biology; General Botany. Laboratory included.) Inclusive and in-depth survey course of the non-vascular and vascular plants. Emphasis on the morphological structures characterizing each division, subdivision, class, and subclass of plants on the systematic approach taken at each level of taxonomic hierarchy, and on the phylogenetic relationships among the various groups of plants. Labs emphasize collection techniques, identifications, and proper archiving of specimens. 6 quarter hours

432 Plant Development and Function. (Prerequisites: Principles of Biology; General Botany. Laboratory included.) Study of the developmental and functional aspects of plant biology. Emphasis on the embryology and development, physiology, genetics, reproduction, and organismal ecology of plants. All major taxonomic groups of plants will be considered. 6 quarter hours

440 Biological Research Fundamentals. (Prerequisite: College Algebra. Laboratory and field exercises will be included.) Presents an integrated approach to the fundamentals of conducting biological research. Included is an introduction to biostatistics, experimental design techniques, sampling theory and application, and the use of computers for batch and real-time analyses. Research topics will be drawn from a spectrum of biological disciplines. 6 quarter hours

441,442,443,444 Special Topics in Biology. To be offered on occasion of student demand or need. 1-5 quarter hours

450 Research Seminar. (No prerequisite.) Designed to allow B.S. and B.S.Ed. Biology majors to present the results of their laboratory or field research project to other biology majors, the faculty, and the campus at large. Serves as part of the completion phase of the biology assessment program. 1 quarter hour

460 Directed Study/Research in Biology. To be offered on occasion of student demand or need. 1-5 quarter hours

Chemistry (CH) Courses

300 College Science Chemistry. A non-laboratory course presenting basic concepts of chemistry. This course does not serve as a prerequisite for any other course in the sciences nor does it meet requirements as a science course for the science major or minor in the B.S. and B.S.Ed. degree programs though it may be specified in degree requirements. 5 quarter hours

301 Introductory Chemistry. (Prerequisite: College Algebra.) A basic course designed for instrumentation majors. Elementary concepts of atomic theory, thermodynamics, kinetics, acids, bases, and equilibrium will be emphasized. This course will not serve as upper level chemistry for science majors nor as a substitute for general chemistry. 5 quarter hours

- CH 302 Metallurgy.** (Prerequisite: CH 301 or General Chemistry. Laboratory included.) A study of the behavior of metals and alloys especially the refining, manufacture and testing of these materials. 5 quarter hours
- CH 303/304 Chemistry I,II.** (Laboratory included.) A study of chemical principles important to the student of science and technologies. The emphasis is on inorganic chemistry to include atomic theory, the periodic table, thermochemistry, kinetics, equilibrium, phase changes, oxidation-reduction, acids and bases plus other principles with an emphasis on problem solving. Laboratory includes inorganic qualitative analysis and classical quantitative analysis. CH 303/304 and 305 may serve as the first course in chemistry for other science and math majors. 6 qtr. hrs. each
- CH 305 Chemistry III.** (Laboratory included.) An introduction to organic molecules and their functional groups. Some characteristic reactions also included. This course is not a required prerequisite for CH 311 and may be omitted if CH 311/312/313 sequence is to be taken. 6 quarter hours
- CH 311,312,313 Organic Chemistry.** (Prerequisite: One year of college chemistry. Laboratory included.) A basic study of aliphatic and aromatic compounds, their properties, preparation, and reactions with emphasis on theory and mechanisms of reaction. Laboratory includes organic qualitative analysis. 6 quarter hrs. each
- CH 314/315 Polymer Science.** (Prerequisite: CH 305 or CH 313. Laboratory included with CH 315). A study of the synthesis, characterization, testing and reactions of polymers. The study will include step-reaction polymerization, ionic chain reactions, free radical chain polymerization, copolymerization and inorganic polymers, in addition to the effects of additives and fillers. 6 qtr. hrs. each
- CH 316 Composites.** (Prerequisite: CH 314/315). A composite is filled or reinforced plastic or fiber with many uses especially as a structural material. This course is a study of composites as to their manufacture, properties, uses and will include testing procedures of composites and components. 5 quarter hours
- CH 324 Analytical Chemistry.** (Prerequisite: One year of college chemistry. Laboratory included.) Classical volumetric techniques in chemical analysis, modern methods of chemical separation and basic instrumentation techniques. 6 quarter hours
- CH 410 Instrumental Analysis.** (Prerequisite: CH 305 or CH 311. Laboratory included. (Also listed as IT 410.) Theoretical and practical application of modern instrumentation to problems in analytical chemistry. Optical, electrochemical, and other instrumentation techniques are covered. 5 quarter hours
- CH 412 Intermediate Organic Chemistry.** (Prerequisite: CH 313.) A study of advanced topics and complex substances in organic chemistry. 5 quarter hours
- CH 413 Biochemistry.** (Prerequisite: CH 312.) A study of proteins, carbohydrates, lipids and other important biochemicals. 5 quarter hours

compounds and their metabolic functions. Enzyme reaction mechanisms and biological oxidations are included.

5 quarter hours

CH 430 Physical Chemistry. (Prerequisites: MA 303, CH 305. Laboratory included. PY 411 may be substituted for this course.) Chemical Thermodynamics.

6 quarter hours

CH 431/432 Physical Chemistry. (Prerequisite: CH 430. Laboratory included.) An application of the laws and principles of physics and mathematics to the study of phenomena and concepts such as equilibria, kinetics, molecular structure and spectroscopy.

6 qtr. hours each

CH 441,442,443,444 Special Topics in Chemistry. To be offered on occasion of student demand or need.

1-5 quarter hours

CH 460 Directed Study/Research in Chemistry. To be offered on occasion of student demand or need.

1-5 qtr. hrs.

Computer Science (CS) Courses

CS 301 Introduction to Computers and Programming. (Laboratory included.) An introductory computer course using the BASIC programming language. The course introduces the nature and characteristics of microcomputers, the role of computers in society, the defining of algorithms for computer solution of problems, the techniques of structured problem solving, and generation of flowcharts. The student will develop working programs that utilize BASIC.

5 quarter hours

CS 302 BASIC Programming. (Prerequisite: CS 301 Introduction to Computers and Programming or equivalent. Laboratory included.) Detailed study of advanced techniques in the BASIC language, including array processing, specialized input/output procedures, and string and file manipulation. Modular design and development of cost effective software that utilize basic algorithmic processes such as sorting techniques, matrix manipulation, searching, disk searching and data retrieval.

5 quarter hours

CS 306 Special Math Topics for Computer Science. (Prerequisite: College Algebra.) Introduces the student to topics in mathematical models, mathematical reasoning, sets, relations and functions, problem solving techniques, computations with algebraic expressions, Boolean Algebra and symbolic logic in programming. An application of these topics will teach the nature and purpose of mathematics relevant to computer application.

5 quarter hours

CS 310 Introduction to Microprocessors. (Prerequisite: IT 303 or Permission of Instructor. Laboratory included. Also listed as IT 310.) Covers structure, programming, theory, and applications of microprocessors. Introduces microcomputers for automatic control.

5 quarter hours

- CS 315 Pascal Programming.** (Prerequisite: CS 301 Introduction to Computers and Programming or equivalent and CS 306 Special Math Topics for Computer Science). The course emphasizes modern programming methods and techniques such as modular, structured, top-down design and interactive programming. It emphasizes algorithm development, Pascal syntax, semantics and pragmatics, procedures, functions and recursion. Course will include hands-on development, implementation, and execution of a wide variety of Pascal programs. 5 quarter hours
- CS 316 Ada Programming.** (Prerequisites: CS 315 Pascal Programming. Laboratory included.) Introduction to the basic concepts of the Ada language including conceptual overview, terminology, data types, development and usage of basic expressions, object declarations, packages, tasking, subprograms and generics. Development and usage of basic concepts through programming assignments that cover topics such as data abstraction, information hiding, packages and multiple tasking concepts. 5 quarter hours
- CS 317 "C" Programming.** (Prerequisites: CS 315 Pascal Programming. Laboratory included.) Introduction to the basic concepts of C-language including usage as a higher-level language and capabilities that allow the user the power and flexibility of the preprocessor to do bit manipulation. Development and usage of basic concepts through programming assignments that cover topics such as data types, structures, pointers, functions and operations on bits. 5 quarter hours
- CS 320 COBOL Programming.** (Prerequisites: CS 301 Introduction to Computers and Programming or equivalent and CS 306 Special Math Topics for Computer Science. Laboratory included.) Introduces computer applications in business. Emphasis is upon the use of the COBOL programming language and structured programming techniques for data processing and business modeling. 5 quarter hours
- CS 325 Applied Spreadsheet.** (Prerequisites: CS 301 Introduction to Computers and Programming or equivalent. Laboratory included.) Detailed study of advanced techniques in problem solving by use of electronic spreadsheets, business graphics software and personal data management. Covers application of spreadsheet commands, file management, generating specialized reports, generating and displaying graphs that relate to both business and scientific problems. 5 quarter hours
- CS 330 FORTRAN Programming.** (Prerequisite: CS 306 Special Math Topics for Computer Science. Laboratory included.) Introduction to the concepts of algorithms, program construction, and the use of FORTRAN language for both numerical and non-numerical applications. 5 quarter hours
- CS 335 Programming Languages.** (Prerequisites: CS 435 Data Structures. Laboratory included.) This course is an in-depth study of similarities and differences of modern programming languages such as Pascal, FORTRAN, C, Ada. Laboratory assignments include data and control structures and require student hands-on experience in the use and characteristics of various languages. 5 quarter hours

341 Micro Assembly Language. (Prerequisites: CS 315 Pascal Programming. Laboratory included.) This course introduces and utilizes programming concepts at machine-level using micro-assemblers, macros and techniques in fixed word length addressing. The relationship between assembly language and the computer architecture is stressed. Laboratory assignments provide a working knowledge of subroutine development and linkage, list processing, data structures, and data processing. 5 quarter hours

345 Computer Architecture. (Prerequisite: CS 341 Micro-Assembly Language.) A comprehensive study of the major structural elements of computer systems, from the digital logic level to the operating system. The course examines in detail the design principles of operation of typical microprocessors, memory systems, and I/O devices and shows how these functional units are coordinated under software control. An introduction to Assembly Language Programming is included. 5 quarter hours

400 Office Information Systems. (Prerequisite: 15 hours of upper level Computer Sciences.) An overview of available systems and methods for developing integrated office automation environments. Topics include system hardware and software requirements and specifications, telecommunications systems, desktop publishing, storage media alternatives, and other special topics. 5 quarter hours

401 Applied Data Communications. (Also listed as IT 401.) (CS students should be cautioned that this is a technical course.) This technical course is designed to acquaint the student with the latest data communication terminology, theory, technology, standards, and equipment. 5 quarter hours

415 Operating Systems. (Prerequisites: CS 335 and CS 345. Laboratory included.) A detailed study of the components and their hierarchical organization that constitute a basic operating system with emphasis on process management, memory management, real-time clock utilization, device drivers and interfaces, intermachine (network) communications and file system management. Emphasis on functional components necessary for an efficient operating system for a micro processor/computer. 5 quarter hours

416 Compilers-Design and Construction. (Prerequisites: CS 306, CS 315, CS 335 and CS 435. Laboratory included.) Laboratory assignments provide an indepth study of the development and implementation of a compiler. Course concentrates on areas of formal language definition, translation, execution and memory allocation, lexical analysis, syntax analysis, symbol tables, code generation and error detection. 5 quarter hours

423 Computer Graphics. (Prerequisite: CS 315. Laboratory included.) Introduction to the language aspects of computer graphics applied to plotting and interactive displays. Lectures and laboratory assignments concentrate on generation, representation, manipulation, processing or evaluation of graphic objects and computer graphics as they relate to information residing in memory. 5 quarter hours

426 Introduction to Artificial Intelligence. (Prerequisites: MA 308, CS 335 and CS 435. Laboratory included.) Introduc-

tion to application areas: information-processing, robots, natural language systems and automatic programming. Includes basic methodologies and techniques, modeling and representation, problem solving, languages and systems. 5 quarter hours

CS 435 Data Structures. (Prerequisite: CS 306. Laboratory included.) Teaches the nature and significance of special data structures such as linked lists, trees and graphs. The student develops software utilizing procedures such as stacks, queues, records, memory management, sorting, algorithms and hashing. 5 quarter hours

CS 440 Database Systems. (Prerequisite: CS 435.) Introduces database systems and their utilization. Concepts include organization, communications, integrity and security. Relational, hierarchical and network database organizations are compared. 5 quarter hours

CS 441,442,443,444 Special Topics in Computer Science. Topics which may be covered are special programming languages, compilers, system design, graphics and applications of scientific programming. 1-5 quarter hours

CS 445 Advanced Database Programming. Detailed study of advanced methodologies in problem solving by the application of relational database management systems. Covers application of various structured information processing techniques, database construction and management, generation of specialized reports that relate to both business and scientific database management. 5 quarter hours

CS 450 Software Engineering. (Prerequisite: 15 quarter hours upper level computer science.) The course will familiarize the student with the entire software life cycle, spanning the time from conception of the actual requirements, through the analysis, design, and development cycle and into the operation and maintenance of an actual software project. The course will take an indepth view of methodologies that lead to developing a system utilizing sound engineering principles to obtain a cost-effective and maintainable product. 5 quarter hours

CS 451 Systems Analysis and Design. (Prerequisite: CS 450 Software Engineering.) An indepth study and application of various scientific methodologies for analysis of actual requirements leading to identification and resolution of conflicts in all disciplines such as scheduling, hardware utilization, configuration control and cost-effectiveness. The application of these methods teach the student to establish designs to achieve the desired performance within imposed human, environmental and financial constraints. 5 quarter hours

CS 452 Software Implementation and Acceptance Testing Techniques. (Prerequisite: CS 451 Systems Analysis and Design. Laboratory included.) A continuation of CS 451 in which the student gains hands-on experience in structured programming techniques in the implementation of a structured design software project. Topics included will be acceptable techniques in module and system testing, verification and validation procedures, and cost effective software maintenance. 1-5 quarter hours

460 Directed Study/Special Computer Science Projects. By permission of instructor and academic unit coordinator. 1-5 qtr. hours

Cooperative Education (CP) Courses

Parallel Plan Courses

Prerequisites: A minimum grade point average of 2.0, approval of the Co-op Education Office and the courses must be taken in sequential order.)

301 Co-op Practicum I. This is the first in a series of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and content of a descriptive report submitted by the student. 2 quarter hours

302 Co-op Practicum II. The second in a series of courses wherein students work on a part-time basis in a job directly related to their academic major. Grade will be based on the employer's evaluation of student productivity and content of a descriptive report submitted by the student. 2 quarter hours

303 Co-op Practicum III. The third in a series of courses wherein students work on a part-time basis in a job directly related to their academic major. Grade will be based on the employer's evaluation of student productivity and content of a descriptive report submitted by the student. 2 quarter hours

304 Co-op Practicum IV. The fourth in a series of courses wherein students work on a part-time basis in a job directly related to their academic major. Grade will be based on the employer's evaluation of student productivity and content of a descriptive report submitted by the student. 2 quarter hours

305 Co-op Practicum V. The fifth in a series of courses wherein the students work on a part-time basis in a job directly related to their academic major. Grade will be based on the employer's evaluation of student productivity and content of a descriptive report submitted by the student. 2 quarter hours

306 Co-op Practicum VI. The last in a series of courses wherein the students work on part-time basis in a job directly related to their academic major. Grade will be based on the employer's evaluation of student productivity and content of a descriptive report submitted by the student. 2 quarter hours

Alternating Plan Courses

- CP 401 Work Experience I.** The first in a series of courses wherein the students work on a full-time basis in a job related to their academic major. Grades will be based on the employer's evaluation of student productivity and content of evaluative report (descriptive in nature) submitted by the student. 5 quarter hours
- CP 402 Work Experience II.** The second in a series of courses wherein the students work on a full-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of student productivity and content of an evaluative report (analysis of job and college program) submitted by the student. 5 quarter hours

Economics (EC) Courses

- EC 310 Basic Economics.** (Also listed as **SS 310.**) This course is a survey of economic principles structured to meet the needs of those students who plan to take only one course in economics or who plan to use the concepts presented as a prerequisite for further study in the areas of economics or business administration. 5 quarter hours
- EC 311 Economic Geography.** (Also listed as **GO 311.**) Analysis of the origins, nature and distributions of man's economic activities throughout the world. Elementary models of economic patterns, processes, and relationships in geographic space are stressed and the relation of these factors to the present position of the nations of the world is emphasized. 5 quarter hours
- EC 320 Introduction to International Commerce.** (Also listed as **PO 320.**) Examines the international economic system and the challenges faced by multinational corporations in the conduct of international business. Special attention given to the mechanics of importing and exporting, international finance, and private international law. 5 quarter hours
- EC 321 Money and Banking.** (Prerequisite: Principles of Economics. Also listed as **SS 321.**) A study of how money, credit, and interest rates affect the level of employment, production, and prices in the economy. Topics of study will include the Federal Reserve System, the operations of commercial banks, credit controls, the theory of income determination as well as recent trends in banking. 5 quarter hours
- EC 323 Introduction to Managerial Economics.** (Also listed as **SS 323.**) A one-quarter course that analyzes the behavior of individual firms and households carrying on production or consumption. The material provides a practical examination of important microeconomic principles behind the operation of any modern business and explains the analytic tools used in making effective management decisions. 5 quarter hours

48 Manpower and Labor Economics in the U.S. An introduction to labor in the economy and the relationships that exist between workers, management, labor organizations, and public policy. Specific subjects include: the history of the labor movement in the United States, the development of collective bargaining law, collective bargaining, wage analysis, and federal manpower programs. Major emphasis is on current labor issues. 5 quarter hours

41,442,443,444 Special Topics in Economics. To be offered on occasion of student demand or need. 1-5 quarter hours

50 Directed Study/Research in Economics. (Offered at the discretion of the professor with approval of the Division lead.) A course designed to allow students an opportunity to perform research or directed studies. 1-5 quarter hours

Education (ED) Courses

00 Foundations of Education. (Required for all teacher-education majors.) A survey course designed for the student who expects to prepare for the teaching profession. Includes principles, history, philosophy, and trends in education. 5 quarter hours

02 Language Development. An analysis of the language including phonology, syntax, and semantics with emphasis on school applications in reading, grammar, spelling, and composition. 5 quarter hours

05 Computers and Media for Teachers. (Should be taken either the first or second quarter at Athens State.) A course designed to assist students in developing basic skills in instructional design, selection of learning resources, production of audio-visual media and operation of computers and other audio-visual equipment. It includes the historical background and development of computers, computer vocabulary, and the application and utilization of computers in public schools. 5 quarter hours

10 Principles of Early Childhood Education. (Prerequisite to all courses in Early Childhood Education.) A course concerned with the historical, theoretical, and practical issues of Early Childhood Education. 5 quarter hours

12 The Child and Society. A course designed to assist prospective teachers to develop understanding and appreciations of various social and ethnic groups and their cultures including the impact of these cultural phenomena on the educative process. 5 quarter hours

20 Children's Literature. (Includes field experience.) A survey of current and traditional prose and poetry thought to be particularly applicable to the lives of children. It includes preparation of visuals and classroom presentation strategies. 5 quarter hours

- ED 321 Materials and Methods of Teaching Language Arts in the Primary and Intermediate Grades.** (Includes experience.) A comprehensive overview of all the language arts including handwriting, grammar, spelling, communication, written communication and listening. The course reflects the integrative nature of the language the need for wholeness; the importance of being able to transfer skills, abilities, and attitudes learned in one context to another. 5 quarter hours
- ED 323 Principles and Practices of Teaching Reading.** (Prerequisite: Admission to the Teacher Education Program) A depth study in and application of, theoretical approaches, instructional strategies, classroom organization, formal/informal assessment of the teaching of reading in the elementary school. 5 quarter hours
- ED 323C Clinical Experience in Principles and Practices of Teaching Reading.** Participate in a clinical experience in which the student uses a diagnostic prescriptive management system, current curriculum resources, audio-visual learning machines, and teacher-made materials to individually tutor a child. At the culmination of a clinical cycle the student conducts a parent-tutor conference in which the child's level of pre-assessment is identified and the tracking system utilized is explained; and/or completes a laboratory experience in an elementary reading classroom. 1 quarter hour
- ED 324 Teaching Mathematics to the Young Child.** A course designed to assist prospective teachers of young children in presenting early mathematical ideas. It includes the application of psychological principles to the teaching and learning of mathematics. 5 quarter hours
- ED 324C Clinical Experience in Teaching Mathematics.** (To be taken concurrently with corresponding education course.) Clinical experience in which the student uses a diagnostic prescriptive management system, current curriculum resources, audio-visual learning machines, and teacher-made materials to individually tutor a child. 1 quarter hour
- ED 333 Teaching Reading in the Content Area.** (Prerequisite: Admission to the Teacher Education Program for secondary and N-12 major.) A course presenting fundamentals of vocabulary development and directed reading instruction in the social sciences, natural and physical sciences, mathematics, arts and music for students in grades 4-12. 5 quarter hours
- ED 361 Measurement and Management.** (Prerequisite: Admission to the Teacher Education Program.) This course is designed to provide future teachers with the skills and attitudes necessary to create a positive learning environment. It will also assist them to be able to develop and implement proper evaluative techniques and to give direction to student growth and development. 5 quarter hours
- ED 413 Teaching Reading to the Young Child.** (Prerequisites: Admission to the Teacher Education Program and ED 323 Principles and Practices of Teaching Reading.) An in-depth study of reading readiness skills, phonics, and the teaching experience and basal reader approaches to teaching reading to the young child. 5 quarter hours

413C Clinical Experience in Teaching Reading to the Young Child. Participate in a clinical experience in which the student uses a diagnostic prescriptive management system, current curriculum resources, audio-visual learning machines, and teacher-made materials to individually tutor a child. At the culmination of a clinical cycle the student conducts a parent-tutor conference in which the child's level of pre-assessment is identified and the tracking system utilized is explained; and/or completes a laboratory experience in an elementary reading classroom. 1 quarter hour

416 Curriculum in Early Childhood Education. (Prerequisites: ED 310 Principles of Early Childhood Education and Admission to the Teacher Education Program.) A course emphasizing methods, materials, and special techniques appropriate for children ages four through eight; involvement of basic principles underlying the development and planning of curriculum throughout the course. 5 quarter hours

416F Field Experience in Curriculum in Early Childhood Education. (Prerequisite: Admission to the Teacher Education Program. To be taken concurrently with corresponding education course.) Classroom observation and participation in child care centers, nursery schools, Head-Start programs, kindergartens and primary grades in the public school. 1 quarter hour

420 Materials and Methods of Teaching Science. A course designed to provide a study of the science concepts for early childhood education and elementary education. Emphasis is placed on materials and methods, processes of discovery, and the role of children as investigators. 5 quarter hours

423 Materials and Methods of Teaching Social Studies. (Prerequisite: Admission to the Teacher Education Program.) A presentation of instructional materials, resources and strategies to be used for teaching social science concepts from the disciplines of economics, geography, history, political science, psychology, and sociology to children in the elementary school. 5 quarter hours

423F Field Experience in Teaching Social Studies. (Prerequisite: Admission to the Teacher Education Program.) Classroom observation and participation in elementary schools to be taken concurrently with corresponding education course. 1 quarter hour

424 Materials and Methods of Teaching Mathematics in the Intermediate Grades. (Prerequisites: Admission to the Teacher Education Program and ED 324 Teaching Mathematics to the Young Child.) A course designed to provide study of the mathematics skills and concepts in grades 4-6 with an emphasis on materials and methods for instruction. 5 quarter hours

424C Clinical Experience in Teaching Mathematics in the Intermediate Grades. (Prerequisite: Admission to the Teacher Education Program. To be taken concurrently with corresponding education course.) Clinical experience in which the student uses a diagnostic prescriptive management system, current curriculum resources, audio-visual learning machines, and teacher-made materials to individually tutor a child. 1 quarter hour

ED 431 Materials and Methods of Teaching in the Middle School/High School. (Prerequisite: Admission to the Teacher Education Program. Includes field experience.) The fundamental principles and techniques in planning, implementing, and evaluating learning activities and in selecting and using appropriate materials and equipment. The second phase is individualized according to the student's major areas. 5 quarter hours

ED 441,442,443,444 Special Topics in Education. To be offered on occasion of student demand or need. 1-5 quarter hours

ED 460 Directed Study/Research in Education. To be offered on occasion of student demand or need. 1-5 qtr. hours

ED 480 Internship and Observation in Early Childhood Education. (Prerequisite: Senior standing and completion of professional education requirements. Fall, winter, and spring only.) (Fee required.) (Includes seminar.) After a period of orientation and observation, the student gains practical experience in teaching classes in the public schools under the continual guidance of competent critic teachers in cooperation with the college faculty member. Materials and methods are utilized in lesson planning and teaching, and participation in all activities is required of the intern. 15 quarter hours

ED 481 Internship in Early Childhood Education. A course required for elementary majors seeking additional certification in Early Childhood Education. (Fee required). 5 quarter hours

ED 482 Internship in Elementary Education. (Prerequisite: Senior standing, and the completion of all professional education requirements. Fall, winter and spring only. Fee required.) After a period of orientation and observation, the student gains practical experience in teaching classes in the public schools under the continual guidance of a competent teacher in cooperation with the college faculty member. Materials and methods are utilized in lesson planning and teaching. Participation in all school activities is required of the intern. Includes seminar. 15 quarter hours

ED 483 Internship in Elementary Education. (Fee required.) A course required for Early Childhood majors seeking additional certification in Elementary Education. 5 quarter hours

ED 484 Internship in Middle School Education. (Prerequisites: Senior standing and the completion of all professional education requirements. Fall, winter, and spring only. Fee required.) (Includes seminar.) After a period of orientation and observation, the student gains practical experience in teaching classes in his or her field in the public schools. This experience is under the continual guidance of a competent teacher in cooperation with the college faculty member. Materials and methods are utilized in lesson planning and teaching. Participation in all school activities is required of the intern. 15 quarter hours

ED 485 Internship in Middle School Education. (Fee required.) A course required of high school education majors seeking additional certification in middle school education. 5 quarter hours

86 Internship in High School Education. (Prerequisite: Senior standing and the completion of all professional education requirements. Fall, winter and spring only. Fee required.) (Includes seminar.) After a period of orientation and observation, the student gains practical experience in teaching classes in his or her major fields in the public schools. This experience is under the continual guidance of a competent teacher in cooperation with the college faculty member. Materials and methods are utilized in lesson planning and teaching. Participation in all school activities is required of the intern. 15 quarter hours

87 Internship in High School Education. (Fee required.) A course required of middle school education majors seeking additional certification in high school education. 5 quarter hours

88 Internship in N-12 Education. (Prerequisites: All other coursework except ED 413 in the L.D. major which may be taken concurrently with ED 488. Fall, winter and spring only. Fee required.) (Includes seminar.) After a period of orientation, the student will gain practical experience in teaching classes in the public schools under continual guidance of competent teachers in cooperation with the college faculty member. (Five weeks will be spent in elementary settings and five weeks will be spent in secondary settings.) 15 quarter hours

ENGLISH (EH) COURSES

303 Journalism. (Professor's permission required. Will not satisfy literature requirement. Designed to fulfill requirements for Language Arts majors.) Study and practical experience with journalistic principles, processes, and practices of the news media, utilizing media outlets both in schools and in the community with special emphasis on work with school publications. 5 quarter hours

304 Southern Literature. An appreciative and critical survey of the body of fine literature written by and about residents of the American South with a concentration on such writing in the twentieth century. Oral and written student response. 5 quarter hours

305 Advanced Composition. (Will substitute for Freshman Composition. Will not satisfy literature requirement.) Study of the basic techniques of written expression and consistent student practice in expository writing and in the improvement of that writing. 5 quarter hours

307 Major Authors (Ancient to Renaissance). A survey of contributions to western civilization by the great writers of ancient and medieval times, including such masterpieces as the **Old Testament, The Iliad and The Odyssey, Greek drama, The Divine Comedy, and The Canterbury Tales.** Oral and written student response. 5 quarter hours

308 Major Authors (Renaissance through Modern). (No prerequisites.) A survey of contributions to western civiliza-

- tion made by the great writers of the sixteenth through the twentieth centuries, beginning with Shakespeare and ending with contemporary writers. Oral and written student response. 5 quarter hours
- *EH 310 Film: History, Development, and Evaluation.** The history and development of the film as literature and particularly American art form, and the student practice in critical evaluation. Films will be viewed and read about especially those based on literary sources, and students will perform oral and written criticism of them. May include film writing and film making. 5 quarter hours
- EH 311 Drama Production.** (Permission required. Will not satisfy literature requirement. Designed to fulfill requirement for Language Arts majors.) Study and practical experience in producing, acting, and directing, or otherwise actively participating in stagecraft in school or community theatre. An opportunity exists for qualified students to study with Alabama Shakespeare Festival Theatre. 5 quarter hours
- *EH 312 Dramatic Literature.** Selected studies in drama, from classical through contemporary, designed to provide wide familiarity with dramatic literature. Close study of specific plays. Oral and written student response. 5 quarter hours
- EH 320 Advanced Grammar.** (Will not satisfy literature requirement.) A teaching oriented course, utilizing both traditional standard grammar and linguistics-based grammatical systems. Includes vocabulary development and practical expository writing and analysis. 5 quarter hours
- *EH 325 Myth, Ritual and Culture..** A study of the basic beliefs of major cultures and their impact on the literature and thought. Special emphasis of the Greek/Roman, Egyptian, and Teutonic mythology and on eastern and western religions. Jungian interpretation emphasized. 5 quarter hours
- *EH 400 Speech I..** (Will satisfy general speech requirement.) (No prerequisite.) Study and practice designed to develop one's ability to interpret literature, especially drama. Includes practice in individual speaking, reading, and listening evaluating the performances of others, and in improving interpersonal communication. 5 quarter hours
- *EH 401 Speech II..** (No prerequisite.) (Will satisfy general speech requirements. Will not satisfy literature requirement) course in individual public speaking, interpersonal communication, and group dynamics. 5 quarter hours
- EH 414 History of the English Language.** (Will not satisfy literature requirement.) The development of American English from early and medieval British beginnings to the current linguistic standards and variations. Designed to increase ease of use, vocabulary, and appreciation of the English language. Analytical writing required. 5 quarter hours
- *EH 425 Shakespeare: The Sonnets and the Plays.** Designed to provide familiarization with the range of Shakespeare's work as well as close critical appreciation of certain sonnets and plays. 5 quarter hours

430 Literature: The Healing Art. (Also listed as PS 430.) A course in the use of literature as therapy and the function of literature in the process of self-discovery, self-analysis, and personal growth. Selected works of literature in poetry, drama, and fiction will be studied in the context of literature as therapy. Some attention will be given to poetry writing and journal writing as therapeutic tools. Especially recommended for behavioral science majors, educators, social workers, and others engaged in humanistic professions. 5 quarter hours

431 Poetry. Critical evaluation, interpretation, and enjoyment of the qualities of poetry, as well as of specific poems. Particular emphasis on modern American poetry. Written creative and critical response. 5 quarter hours

433 Fiction. Study of a wide range of fiction, in the study of one novel and several selected short stories. Study is designed both to increase enjoyment of fiction and to develop analytical and evaluative reading skills, both oral and written. 5 quarter hours

441,442,443,444 Special Topics in English. (Honors independent study.) To be offered on occasion of student request with instructor's approval. 1-5 quarter hours

460 Directed Study in English. (Prior approval required. Will not meet literature requirement.) A special research or creative writing course designed to meet specific needs and interest. 1-5 quarter hours

Finance (FIN) Courses

350 Managerial Finance. (Prerequisites: Principles of Accounting, Principles of Economics, and College Algebra.) A study of the art of money capital management on the level of the firm in an enterprise economy. Topics covered include analysis of financial statements, investment decision making, calculation of the firm's cost of capital, and other related topics such as mergers and dividend policies. 5 quarter hours

355 General Insurance. A study of fundamental principles and uses of various types of insurance: life, fire, automobile, homeowners, and other casualty and business forms are examined. 5 quarter hours

356 Real Estate. (Approved by the Alabama Real Estate Commission as a pre-license course.) A course designed to give students a broad understanding of the principles of real estate. Instruction includes historical background, freehold estates, leasehold estates, deeds, transferring of interests, financing, appraising and the Alabama Real Estate License Law. 5 quarter hours

357 Investments. A study and review of consumer money management problems, choices, and decision-making. Topics such as investing in stocks, bonds, mutual funds, commodities and options will be covered. 5 quarter hours

General Business (GBA Classes)

GBA 259 Basic Technical Specialty (0-65 quarter hours). This course number designates credit awarded for the journeyman level training in a technical specialization area when validated by appropriate work experience.

GBA 301 Microcomputer Applications for Business. An examination of the many uses for microcomputers in the modern business setting. Emphasis is given to a "hands on approach" method of assessing the usage of personal computers for preparing spreadsheets, managing files, word processing, and graphics. 5 quarter hours

GBA 305 Statistical Methods of Business I. (Prerequisite: College algebra or equivalent.) Introduction to descriptive and inductive methods to evaluate data. Coverage will include the calculation of central tendency, tests of hypothesis, probability theory, and sampling. 5 quarter hours

GBA 306 Statistical Methods of Business II. (Prerequisite: GBA 305.) An advanced course covering topics such as analysis of variance, time series analysis, simple and multiple regression, index numbers. 5 quarter hours

GBA 311 The Legal Environment of Business. An analysis of the legal, social, and ethical environment of business. 5 quarter hours

GBA 312 Commercial Law. (Prerequisite: GBA 311) A Study of various aspects of commercial law including business organizations, contracts, creditor-debtor relationships, and an in-depth study of commercial paper under the Uniform Commercial Code. 5 quarter hours

GBA 368 Industrial and Personnel Psychology. (Also listed as PS 368.) The application of psychology to industrial organization. Areas of consideration include morale and group processes, supervisory leadership, selection and placement, training, motivation, fatigue, accidents, interviewing and industrial counseling. 5 quarter hours

GBA 459 Advanced Technical Specialty (0-20 quarter hours). This course number designates credit that may be awarded for advanced technical work experience. No credit will be granted for work experience which does not exceed in responsibility the original level of training. To qualify for this credit, a student **must** be a graduate of a technical school or college.

GBA 460 Directed Study/Research in Business. A course designed to allow students an opportunity to perform independent research or directed studies. This course is offered at the discretion of the professor with approval by the Division Head. 1-5 quarter hours

Geography (GO) Courses

- 309 World Regional Geography.** A comprehensive treatment of both the physical and cultural elements of the world. The impact of latitude, longitude, weather and historical development of regions will be given careful consideration. 5 quarter hours
- 311 Economic Geography.** (Also listed as EC 311.) Analysis of the origins, nature and distributions of man's economic activities over the world. Elementary models of economic patterns, processes, and relationships in geographic space are stressed and the relation of these factors to the present position on the nations of the world is emphasized. 5 quarter hours
- 320 Anglo-American Geography.** A systematic approach to the examination of the modern geography of the United States and Canada. Regional patterns and variations are probed for an overall view of Anglo-America. 5 qtr. hours
- BI 341 Natural Geography.** (No prerequisite.) Presents the physical and biological aspects of geography. Designed to instill a greater appreciation and awareness of man's physical environment and of the mechanisms which control the distribution of plants and animals on our planet. Included is a six-week segment concerning the physical aspects of the atmospheric, aquatic, and terrestrial environments, and a four-week segment concerning the biological aspects of geography. 5 quarter hours

General Science (GS) Courses

- These courses do not meet requirements as science courses for the science major in the B.S. and B.S.Ed. degree programs though some may be specified in degree requirements.
- 300 Astronomy.** (No prior background in science is required.) Designed to help the student gain an understanding of how the astronomer studies his subject and to appreciate the grandeur of the universe. Emphasis on the methods of astronomy, the solar system, stars, and galaxies, and covering the topics of relativity and extraterrestrial life. 5 quarter hours
- 301 Atmospheric Science.** (No prerequisites.) Provides the student with physical explanations of atmospheric, including meteorological phenomena. 5 quarter hours
- 302 Earth Science.** (No prerequisites.) An introduction to the materials that make up the visible earth and to the various processes responsible for wearing down and shaping the landscape, including an analysis of environmental issues which relate this science to human activities. 5 quarter hours

GS 320 Nutrition. (No prerequisite.) You **are** what you eat or soon will be. This course considers contemporary nutrition from the viewpoint of practical application. To be discussed are vitamins, minerals, food choices, pre-prepared food and health, labels and advertising and other practical topics. 5 quarter hours

Humanities (HU) Courses

***HU 311 Beginning French Conversation I.** Designed for students with no previous expertise in French, this course is intended to enable the student to recognize and speak French in a practical manner. Emphasis is given to language skills necessary for the conduct of business and for successful mobility in French-speaking countries. 5 quarter hours

***HU 312 Beginning French Conversation II.** (Prerequisite: HU 311 or equivalent.) A continuation of Beginning French Conversation I, this course is intended to enhance the student's ability to recognize and speak French in a practical manner. Emphasis is given to language skills necessary for the conducting of business and for successful mobility in French-speaking countries. 5 quarter hours

***HU 313 Beginning Spanish Conversation and Culture I.** Designed for students with no previous expertise in Spanish, this course is intended to enable the student to recognize and speak Spanish in a practical manner. Emphasis is given to language skills necessary for the conducting of business and for successful mobility in Spanish-speaking countries. 5 quarter hours

***HU 314 Beginning Spanish Conversation and Culture II.** (Prerequisite HU 313 or equivalent.) A continuation of Beginning Spanish Conversation I, this course is intended to enhance the student's ability to recognize and speak Spanish in a practical manner. Emphasis is given to language skills necessary for the conducting of business and for successful mobility in Spanish-speaking countries. 5 quarter hours

***HU 315 Beginning Japanese Language and Culture I.** Designed for students with no previous familiarity with Japanese. This course is intended to enable the student to recognize and speak basic Japanese and to gain an appreciation of Japanese culture. Emphasis is on language skills necessary for the conducting of business. 5 quarter hours

***HU 316 Beginning Japanese Language and Culture II.** (Prerequisite: HU 315 or equivalent.) A continuation of Beginning Japanese Language and Culture I. This course is designed to enhance the student's ability to recognize and speak Japanese in a practical manner and to expand the student's knowledge and appreciation of Japanese culture. Emphasis is on the language skills necessary for the conducting of business. 5 quarter hours

U 321 Library Research Techniques. This course familiarizes the students with the proper utilization of the basic reference books, abstracts and indexes, the card catalog, and audio-visual equipment. The course also enables the students to master research in their other college subjects. 1 quarter hour

U 330 Landmarks of Civilization I. (No prerequisites. Occasional lab time is required.) Classical World to Renaissance. A review of selected examples of man's creative achievements in drama, literature, philosophy, art and music. This course is designed to demonstrate the integration of human knowledge. Stresses expository writing and critical thinking. 5 quarter hours

U 340 Landmarks of Civilization II. (No prerequisites. Occasional lab time is required.) Renaissance to Present. A review of selected examples of man's creative achievements in drama, literature, philosophy, art and music. This course is designed to demonstrate the integration of human knowledge. Stresses expository writing and critical thinking. 5 quarter hours

HISTORY (HY) COURSES

300 Great American Issues. (Also listed as PO 300.) Examines the development of the main social, economic, and political issues that have faced the United States in this century. Emphasis is on contemporary issues, such as the economy, environment, crime, minority groups, public welfare, education, war and energy. 5 quarter hours

301 Social Science Research Techniques and Methods. (Required of history and social science majors. **Should be taken at the beginning of the junior year.** Also listed as SS 301.) A course designed to develop the techniques of social science research and to explore varying historical interpretations. Also aims at preparation of teaching materials. 5 quarter hours

303 Alabama History. The history of Alabama and its Southern heritage from early times to the present. Study of present day problems and an examination of the space age as it has impacted on Alabama's development are included. 5 quarter hours

310 Ancient World. A study of the ancient world from prehistoric times to the collapse of the Roman Empire. 5 quarter hours

311 Dawn of Modern Europe. A study of the leading events, institutions, and contributions of the Middle Ages, surveyed as a background to the development of modern Europe. The major portion of the course is devoted to modern European trends such as the rise of the nation-state, the age of exploration, and the Renaissance and the Reformation movements. 5 quarter hours

- HY 312 Revolutionary Europe.** A study of the background and the events of the French Revolution and the Napoleonic Period (1789-1815.) Emphasizes the revolutionary background of the contemporary Western world. 5 quarter hours
- HY 313 Europe in the Victorian Age.** A study of the social, political, and industrial forces which shaped modern Europe in the century 1815-1914. 5 quarter hours
- HY 314 Contemporary Europe.** The social, political, and economic development of Europe in the twentieth century. 5 quarter hours
- HY 321 History of England.** A survey of English history from 55 B.C. to 1688. Encompasses political, constitutional, social, economic and cultural-intellectual movements. 5 quarter hours
- HY 322 History of England.** A survey of English history from 1688 to the present. Encompasses political, constitutional, socio-economic, cultural-intellectual, and imperial movements. 5 quarter hours
- HY 323 Twentieth Century Latin America.** Covers the political, social, economic, and cultural developments of Central and South American States. Spanish institutions and nineteenth-century trends pertinent to the modern development of these republics are considered. 5 quarter hours
- HY 354 Communist Area Studies.** (Also listed as PO 354.) Examines the history, geography, and current political systems in the Soviet Union, Eastern Europe, and Communist China. Some attention is given to Cuba and other socialist communist states. 5 quarter hours
- HY 361 The South in United States History.** A study of the South as a region. A survey of its historical, economic, social development, and of the role of the South in United States history. 5 quarter hours
- HY 400 Colonial and Revolutionary America.** A survey of Anglo-American colonial history, revolutionary development and the writing and ratification of the Constitution of the United States. 5 quarter hours
- HY 402 Civil War, Reconstruction, and Industrialization of America.** Causes, events and results of the Civil War, political, economic, and social aspects of reconstruction, industrialization, urbanization, rising demands for social justice and the growing independence of the people of the United States are emphasized. 5 quarter hours
- HY 403 Twentieth Century America.** A survey of the political, social, cultural and economic developments in twentieth century America. Emphasis is placed on the Progressive Movement, role of the United States in world affairs, post World War I era, and developments since World War II. 5 quarter hours

- 404 The Age of Reason.** Addresses the formative era of modern times. Emphasizes international relations and the intellectual currents associated with the Enlightenment. 5 quarter hours
- 405 Nineteenth Century America.** This course includes the early years of the republic rise of sectionalism, crisis of 1860, Civil War reconstruction, industrialization, urbanization of America, the westward movement, quest for social justice and interdependence of the people of the United States. 5 quarter hours
- 435 The Middle East.** A survey of the historical and cultural characteristics of those countries from Mauritania and Morocco to Afghanistan. Emphasis is placed on the historical development and Arabization of the region, current socio-economic problems, the strategic significance of the area, and its relations to the rest of the world. 5 qtr. hrs.
- 441,442,443,444 Special Topics in History.** To be offered on occasion of student demand or need. 1-5 quarter hours
- 361 The South in United States History.** A study of the South as a region. A survey of its historical, economic, and social development, and of the role of the South in United States history. 5 quarter hours
- 400 Colonial and Revolutionary America.** A survey of Anglo-American colonial history, revolutionary developments, and the writing and ratification of the Constitution of the United States. 5 quarter hours
- 402 Civil War, Reconstruction, and Industrialization of America.** Causes, events and results of the Civil War, political, economic, and social aspects of reconstruction, industrialization, urbanization, rising demands for social justice, and the growing independence of the people of the United States are emphasized. 5 quarter hours
- 403 Twentieth Century America.** A survey of the political, social, cultural and economic developments in twentieth-century America. Emphasis is placed on the Progressive Movement, role of the United States in world affairs, post-World War I era, and developments since World War II. 5 quarter hours
- 404 The Age of Reason.** Addresses the formative era of modern times. Emphasizes international relations and the intellectual currents associated with the Enlightenment. 5 quarter hours
- 405 Nineteenth Century America.** This course includes the early years of the republic rise of sectionalism, crisis of 1860, Civil War reconstruction, industrialization, urbanization of America, the westward movement, quest for social justice and interdependence of the people of the United States. 5 quarter hours
- 435 The Middle East.** A survey of the historical and cultural characteristics of those countries from Mauritania and Morocco to Afghanistan. Emphasis is placed on the historical development and Arabization of the region, current socio-economic problems, the strategic significance of the area, and its relations to the rest of the world. 5 quarter hours

HY 441,442,443,444 Special Topics in History. To be offered on occasion of student demand or need. 1-5 quarter hours

HY 456 America and the World. (Also listed as PO 456.) Examines America's foreign relations with the main geographical regions of the world, including issues that affect human survival, such as energy crisis, disarmament, foreign aid, economic cooperation. 5 quarter hours

HY 460 Seminar in History. A special research course to meet the specific needs and interests of students. 5 quarter hours

Instrumentation (IT) Courses

IT 301 Electronic Circuit Analysis. (Prerequisite: PY 303. Laboratory included.) An intensive course in AC/DC circuit theory and analysis using Kirchoff's laws, Thevenin's theorem, Norton's theorem, both active and passive circuits. Complex notation are covered. 5 quarter hours

IT 302 Analog Instrumentation Electronics. (Prerequisite: IT 301. Laboratory included.) A study of power supplies, amplifiers, op-amps, filters, electronic transducers and measurement techniques. 5 quarter hours

IT 303 Fundamentals of Digital Instrumentation Electronics. (Prerequisite: IT 302. Laboratory included.) An introduction to number systems, codes, Boolean logic, and basic digital circuit building blocks. Applications of gates flip-flops, registers, counters, ADC and DAC circuits, memories and other MSI and LSI circuits. 5 quarter hours

IT 310 Introduction to Microprocessors. (Prerequisite: IT 303 or permission of instructor. Laboratory included.) Covers structure, programming, theory, and applications of microprocessors. Introduces microcomputers for automatic control. 5 quarter hours

IT 315 Instrument Maintenance and Repair. (Prerequisite: IT 310. Laboratory included.) Illustrates theory and practical maintenance and repair of solid state IC and discrete circuits in both analog and digital applications. Introduces microprocessor troubleshooting and logic analyzers. 5 quarter hours

IT 400 Advanced Analog Instrumentation. (Prerequisites: MA 421 Differential Equations and IT 302. Laboratory included.) Theoretical analysis of modern networks using operational amplifiers, analog filters, and practical circuit communications and data acquisition systems. 5 quarter hours

IT 401 Applied Data Communications. (Also listed as CS 401. CS students should be cautioned that this is a technical course.) A technical course designed to acquaint the student with the latest data communication terminology, the technology, standards, and equipment. 5 quarter hours

- 402 Interfacing Fundamentals.** (Prerequisite: IT 310. Laboratory included.) Provides necessary background to interface real world physical measurable to digital systems, including computers. Emphasizes ADC and DAC circuits and their utility as interface elements. 5 quarter hours
- 416 Applied Digital Design.** (Laboratory included.) Designed to acquaint the student with the theory and applications of digital electronics. Offers investigative opportunity for the student to explore his or her own creativeness in digital design and application. More advanced than IT 303. 5 quarter hours
- 420 Electro-Optics.** (Prerequisites: IT 302, 303, PY 303. Laboratory included. Optics helpful, but not required.) Emphasizes the latest technology in laser systems, light detection and displays, and applications. 5 quarter hours
- 425 Introduction to Robotics.** (Laboratory included.) Fundamentals of Robotics including a study of robotic motion, computer interfaces, robotic vision, and capabilities. 5 quarter hours
- 435 Instrumentation Survey.** (Prerequisite PY 311/312 Electricity and Magnetism.) Principles of instrumentation systems. The detection, measurement and logical use of physical quantities with an emphasis on the physical process, transducers and signal processing. 5 quarter hours
- 440 Process Control Instrumentation.** (Prerequisite: IT 416. Laboratory included.) Provides an in-depth analysis of process control fundamentals, transducers and instrumentation. 5 quarter hours
- 441,442,443,444 Special Topics in Instrumentation.** To be offered on occasion of student demand or need. 1-5 quarter hours
- 460 Directed Study/Special Instrumentation Projects.** By permission of instructor and academic unit coordinator. 1-5 quarter hours

Justice Studies (JS) Courses

- 300 Survey of Criminal Justice.** Designed to acquaint the student with basic law enforcement, court, and correctional agencies and processes involved in the criminal justice system. Emphasis will be placed on the inter-relationship among the components. Some material will be devoted to career opportunities. 5 quarter hours
- 301 The Criminal Justice Process.** (Also listed as **PO 301.**) Emphasis is placed upon the professional development of students who plan careers in Criminal Justice or related fields by making an in-depth examination of the actual workings of the legal system's institutions. 5 quarter hours

- JS 302 Criminal Law.** Introduction to development of criminal law, elements of criminal offense and types of offenses and defenses. Considers the impact of statutory law and common law on police procedures and policies. 5 quarter hours
- JS 350 Concepts of Justice.** (Also listed as **PO 350** and **SO 350**.) Designed to acquaint the student with historical and ethical background of the law and familiarize the student with present day principles of law applicable to everyday life. 5 quarter hours
- JS 364 Civil Liberties.** (Also listed as **SO 364** and **PO 364**.) Analysis of constitutional cases balancing government interests (group rights) with individual rights across the broad spectrum of social interrelations. Specifically explores First, Fourth, Fifth, Sixth, Eighth, and Fourteenth Amendment cases. 5 quarter hours
- JS 401 Adult Corrections.** (Also listed as **SO 401**.) Socioeconomic facets of crime and principles and practices of delinquency, probation and parole, interaction (environmental and attitudinal) of persons from sentencing to return to society will be stressed. 5 quarter hours
- JS 408 Psychology of Criminal Behavior.** (Also listed as **PS 408**.) Personality and psychological factors in criminal behavior with special reference to behavior systems and types of criminal behavior, the psychology of treatment and control, societal values and community factors. 5 quarter hours
- JS 410 Advanced Criminal Investigation.** Advanced study of new developments in the field of criminal identification systems and detection methods. Local action projects will be encouraged to implement improved policies, procedures, and practices in law enforcement agencies. 5 quarter hours
- JS 441,442,443,444 Special Topics in Criminal Justice.** To be offered on occasion of student demand or need. 1-5 quarter hours
- JS 450 Criminal Justice Courts.** (Also listed as **PO 450**.) Examines the opinions of selected cases of the United States Supreme Court as principles that govern police, attorney, judicial, and correctional actions. Emphasis is placed on process cases of the Fourth, Fifth, and Sixth Amendments of the Constitution. 5 quarter hours
- JS 452 Advanced Criminology.** (Also listed as **SO 452**.) Analysis of social causal process and theories by which individuals become criminals and evaluation of the effectiveness of the criminal justice system in returning helpful, contributing citizens back to society. Historical and contemporary orientation. 5 quarter hours
- JS 460 Directed Studies/Research in Criminal Justice.** Research and analysis of specific problems encountered in criminal justice process. 5 quarter hours
- JS 465 Criminal Justice Practicum.** Provides supervised experiences in appropriate criminal justice agencies. 5 quarter hours

course includes routine seminars with discussion and evaluation of experiences in the field.

5 quarter hours

MATHEMATICS (MA) COURSES

300 Pre-Calculus. (No prerequisite. Not acceptable as a mathematics elective for mathematics, mathematics education, or science majors.) A course for students who are preparing to take the Calculus sequence. It is designed to provide the student with sufficient mathematical preparation for MA 301, Pre-Calculus. Some of the topics covered are rational expressions, roots and radicals, quadratic equations and inequalities, graphing linear equations, conic sections and definitions of functions.

5 quarter hours

301 Pre-Calculus. (Prerequisite: MA 300 or two years of high school algebra. Geometry recommended.) A course for students who are preparing to take the Calculus sequence. Some topics covered include the real number system, simplification of algebraic expressions, functions and graphs, rational and polynomial functions, exponential and logarithmic functions, conic sections, the binomial theorem, finite induction, arithmetic and geometric progressions, business and behavioral science applied word problems.

5 quarter hours

302 Pre-Calculus. (Prerequisite: MA 301 or equivalent.) A course for students who are preparing to take the Calculus sequence. This course includes set notation, concept of functions, extended study of the geometric and trigonometric functions, analytic trigonometric functions, inverse functions, radian measure, computation and numerical application.

5 quarter hours

303/304 Calculus. (Prerequisites: MA 301 and MA 302 or their equivalents.) Introduction to limits plus techniques and applications of differential and integral calculus.

5 quarter hrs. ea.

305/306 Intermediate Calculus. A continuation of MA 303/304 covering infinite series, conics, vectors, functions of several variables and multiple integration.

5 quarter hrs. ea.

308 Discrete Mathematics. (Prerequisite: MA 304.) Introduces the student to topics in mathematical models, mathematical reasoning, sets, relations and functions, Boolean algebra, special data structures and special algebras. An application of these topics will teach the nature and purpose of mathematical models, the algebra of logic, sets and groups, and relationships between mathematics and Computer Science.

5 quarter hours

- MA 310 Matrices and Linear Algebra.** (Prerequisite: MA 304. This course and MA 427 cannot both be taken for credit.) Matrices, systems of equations, determinants, vector spaces, and applications. 5 quarter hours
- MA 314 College Geometry.** (Prerequisite: MA 304.) Foundations of Euclidian geometry to include geometric constructions and properties of regular polygons and circles. Based on logical statements and formal proofs. 5 quarter hours
- MA 316 Vector Analysis.** (Prerequisite: MA 304. This course and MA 427 cannot both be taken for credit.) Vector algebra, vector operators, vector functions, scalar and vector fields, divergence, curl, Laplacian, line and surface integrals, orthogonal curvilinear coordinates, divergence theorem, Stoke's and Green's theorems. 5 quarter hours
- MA 320 Modern Algebra.** (Prerequisite: College Algebra.) Number systems, group fundamental properties, introduction to rings, fields and ideals. 5 quarter hours
- MA 401 Complex Numbers.** (Prerequisite: MA 306). Covers complex numbers, analytic functions and integrals, conformal mapping, sequences and series, and integration by the method of residues. 5 quarter hours
- MA 421 Differential Equations.** (Prerequisite: MA 306 or equivalent.) Ordinary differential equations with applied examples from different scientific introduction to Laplace Transformation. 5 quarter hours
- MA 423 Numerical Analysis.** (Prerequisites: MA 306 and MA 310. Computer laboratory work is required.) Introduction to numerical methods for interpolation, evaluating roots of polynomials, systems of equations, integration, differentiation, differential equations, and approximation and error. 5 quarter hours
- MA 427 Applied Math I.** (Prerequisite: MA 304. This course cannot be taken for credit if either MA 310 or MA 316 has been taken for credit.) Practical problems in linear algebra and vector analysis which are important in the fields of science and engineering. 5 quarter hours
- MA 428 Applied Math II.** (Prerequisite: MA 421.) A continuation of MA 427 with applications in partial differential equations, Fourier series, and numerical methods. 5 quarter hours
- MA 430/431 Theory of Statistics and Probability.** (Prerequisite: MA 306.) Considers measures of control tendencies, measures of dispersion, comparison of distributions, correlation, probability, normal curves and sampling. 5 quarter hrs. e
- MA 441 Special Topics in Mathematics.** (Prerequisite: MA 304.) Considers topics in abstract algebra. Theory of equations and various mathematical applications. 5 quarter hours
- MA 445 Mathematical Modeling and Simulation.** (Prerequisites: MA 306, MA 310 and MA 421 or equivalent.) The course

covers techniques in vector rotation of three-space coordinates, Perron's eigenvalue theorem, data fitting by the normalization processes for multi-variable function approximation, Bezier representation of polynomials for "real-time", computer graphic applications and other topics. 5 quarter hours

A 450/45I Advanced Calculus. (Prerequisite: MA 306.**NOTE: These courses partially duplicate MA 316.**) Multivariant Calculus, theory of limits, continuity, Taylor expansion, line and surface integrals, Green's and Stoke's Theorems, the divergence theorem, and various applications. 5 qtr. hrs. each

A 460 Directed Study/Research in Mathematics. To be offered on occasion of student demand or need. 1-5 quarter hours

Management (MG) Courses

G 302 Management Information Systems. (Prerequisite: GBA 301 or Computer Applications course). An examination of the role of information systems in organizations and how they relate to the objectives and structure of an organization. Emphasis is given to providing a broad overview of the information systems management function. 5 quarter hours

G 320 Managerial Communication. Instruction in the communication skills of listening, speaking, reading, and writing as they relate to the management function. Course requirements include the completion of a formal written research paper. 5 quarter hours

G 346 Management and Organization. Although it draws on contributions from the physical, behavioral and social sciences, management is a discrete discipline. This course explores both the underlying theory and the practical application of management practices and organizational development. In addition to the basic management functions, the course deals with ethical questions, international competition, and other issues stemming from management's relationship with its increasingly complex legal, social and competitive environment. 5 quarter hours

G 349 Human Resources Management. (Prerequisite: MG 346.) Principles and practices of personnel administration. Special attention is given to employment practices, wages, hours, union and labor legislation. 5 quarter hours

G 375 Organizational Behavior. (Prerequisite: MG 346.Also listed as **PS 375.**) A consideration of human behavior in organizational settings with emphasis on individual processes, group processes and organizational structure and functions. 5 quarter hours

IG 377 Managing Public Safety Organizations. (Also listed as **PSA 377.**) An examination of the major issues and concepts of managing a public institution. Topics include the theory of fiscal management, budgets and budget con-

trols, the political and legal foundations of public enterprise, community relations, public information systems and reports, and public employee rights and responsibilities. 5 quarter hours

MG 410 Labor Law and Legislation. A study of contemporary law affecting employees, employers, and labor organizations. Major emphasis is on equal employment opportunity laws and recent interpretations by administrative tribunals and courts. 5 quarter hours

MG 416 Entrepreneurship and Small Business Management.. (Prerequisites: Management and Organization, Principles of Marketing, Microcomputer Applications for Business, and Basic Accounting.) In this course, students bring their knowledge of management, marketing, accounting and microcomputer applications to bear on the problems of planning and operating a small business. Student teams research, prepare and present complete business plans - including pro-forma financial statements - for startup ventures. Market research, site selection, pricing, promotion and financial analysis for the small firm are among the topics stressed. 5 quarter hours

MG 418 Management of Technology. (Prerequisites: GBA 305 Statistical Methods of Business I, MG 302 Management Information Systems, MG 320 Managerial Communications, MG 346 Management and Organization, MG 349 Human Resources Management.) A case study approach to the integration of technical knowledge with management science. Emphasis will be on examining how existing and emerging technology can be utilized by managers to facilitate the production and distribution of goods and services. 5 quarter hours

MG 420 Business Policy. (Prerequisites: Senior standing and the completion of FIN 350 Managerial Finance, MG 302 Management and Organization, and MK 331 Marketing Principles. Students should schedule this course during one of the last two quarters of their degree program.) A Capstone Course which examines the interrelations of the various business functions from the viewpoint of middle management's decision process. Heavy emphasis on both oral and written case study analysis. **Note: A student must earn a minimum grade of "C" in this course in order to graduate with a major in accounting, business administration, or the management of technology.** 5 quarter hours

MG 441,442,443,444 Special Topics in Management. To be offered on occasion of student demand or need. 1-5 quarter hours

MG 460 Directed Study/Research in Management. To be offered on occasion of student demand or need. 1-5 quarter hours

MG 480 Honors Practicum in Small Business Consulting and Research. For course description see GBA 480.

Marketing (MK) Courses

MK 331 Marketing Principles. (Prerequisite: Principles of Economics.) A study of the forces operating, institutional

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employed and methods followed in the flow of goods and services from production to consumption. 5 quarter hours

K 333 Advertising and Promotional Strategies. (Prerequisite: Marketing Principles.) A study of the principles of advertising, types of advertising media, and analyzing problems of advertising encountered in business. 5 quarter hours

K 334 Sales Management. (Prerequisite: Marketing Principles.) A course designed to familiarize students with the problems faced by sales managers, to present the principles of effective sales management, and to develop students' ability to critically analyze and suggest solutions to problems of sales management. 5 quarter hours

K 336 Consumer Behavior. (Prerequisite: Marketing Principles.) A study of the buying habits and motives involved in the purchase of economic goods and services. Emphasis is on the decision process that precede and determine consumer behavior. 5 quarter hours

K 431 Marketing Research. (Prerequisites: Marketing Principles and Statistical Methods of Business.) A study of research methods and procedures as they apply to marketing operations. This course includes the information sources available to marketing researchers and the design and analysis of research projects concerned with obtaining primary information. 5 quarter hours

K 432 Retailing. (Prerequisite: Marketing Principles.) Principles and methods of store location and layout, promotion buying, pricing, personnel management, credit, and stock control. 5 quarter hours

K 433 Marketing Strategies and Policies. (Prerequisite: Marketing Principles.) A senior level course which examines the various policies and problems that require decision making by marketing managers in areas of product, distribution, promotion, and price. 5 quarter hours

K 460 Directed Study/Research in Marketing. A course designed to allow students an opportunity to perform research or directed studies in marketing. The course is offered at the discretion of the faculty member with approval by the division head. 1-5 quarter hours

MUSIC (MU) COURSES

U 300/301/302 Music Theory. (This course or the equivalent is required of all music minors. Permission of the profession required. Co-requisite: MU 304/305/306.) A course presenting the fundamentals of music theory including scales, modes, intervals, key signatures, triads in fourpart writing, sightsinging, ear-training, and keyboard harmony. 3 quarter hrs. ea.

- MU 304/305/306 Aural Musicianship.** (Co-requisite: MU 300/301/302.) Required of all music minors who study the course unless exempted by a proficiency test. Instruction in rhythmic, intervallic, melodic and harmonic dictation; sight-singing. 1 quarter hr. each
- *MU 310 Music Appreciation.** (No technical background is necessary.) A survey of music designed to prepare the student for more intelligent listening to and appreciation of serious music. 5 quarter hours
- *MU 321/322 Music Literature.** A study of the development of the significant musical styles with special attention to the individual contributions of major composers. 5 quarter hours
- MU 325 Conducting.** A study designed to develop skills in conducting and score reading. Includes both baton and chorus rehearsal techniques. 3 quarter hours
- MU 329/330 Class Piano.** Consists of class instruction in basic techniques of playing the piano. No previous technical experience required. 3 qtr. hrs. each
- MU 339/340 Class Voice.** Consists of class instruction in the basic concepts in singing. Includes the study of proper tone production, breath control, and diction. 2 quarter hrs. each
- MU 341 College Singers.** (At least two rehearsals weekly are required.) A performing vocal ensemble open to all students. Provides for the study and performance of a variety of choral literature. 1 quarter hour
- MU 343 Choral Union.** A smaller ensemble of mixed voices selected by audition. Open to all students. 1 quarter hour
- MU 345 Selected Chorus.** Offers an opportunity to study and perform choral literature for either women's or men's voices respectively. Open to all students 1 quarter hour
- MU 346 Instrumental Ensemble (band).** The study and performance of selected literature for the smaller instrumental ensemble. Includes both jazz and pop music. Open to all students. 1 quarter hour
- MU 410 Choral Techniques.** A study in the refinement of choral techniques including blends, balance, choral tone, rehearsal techniques, and procedures. Includes a survey of choral literature and helps in organizing and developing choral groups. 5 quarter hours
- MU 441,442,443,444 Special Topics in Music.** To be offered on occasion of student demand or need. 1-5 quarter hours
- MU 451 Materials and Methods of Teaching Music N-6.** A study to assist the classroom teacher in meeting the needs of pre-school and elementary students in music. A study of group activities and materials through which children

experience music.

5 quarter hours

U 460 Music Drama Production. Special study in the preparation and presentation of musical productions.

1-5 quarter hours

Physical Education (PE) Courses

Activity Courses

E 300 Slimnastics	1 quarter hour
E 301 Weight Training	1 quarter hour
E 302 Swimming	1 quarter hour
E 303 Life Saving	1 quarter hour
E 303 Life Saving	1 quarter hour
E 304 Water Safety Instructor	1 quarter hour
E 305 Tumbling	1 quarter hour
E 306 Archery	1 quarter hour
E 307 Bowling	1 quarter hour
E 308 Tennis	1 quarter hour
E 309 Badminton	1 quarter hour
E 310 Golf	1 quarter hour
E 311 Folk and Square Dance	1 quarter hour
E 312/313 Varsity Athletics (by permission only)	1 quarter hour
E 314 Individualized Physical Activity	1 quarter hour
E 315 Basketball	1 quarter hour
E 316 Volleyball	1 quarter hour
E 317 Flag Football	1 quarter hour
E 318 Soccer	1 quarter hour
E 319 Softball	1 quarter hour

Other P.E. Courses

E 320 Analysis of Team Sports. A course dealing with analysis of the movement involved in the performance of various specified team sports. Practical experience in conditioning drills used to improve performance, and strategies of the games are included.

3 quarter hours

- PE 321 Analysis of Gymnastics/Track/Field.** A course dealing with the analysis of movement involved in the performance of gymnastics and track/field. Practical experience in conditioning, drills used to improve performance, and strategies used in competition are included. 3 quarter hours
- PE 322 Analysis of Individual Sports.** A course dealing with the analysis of movement involved in the performance of badminton, golf, and tennis skills. Practical experiences in conditioning, skill improvement, and strategies used in playing each sport are included. 3 quarter hours
- PE 323 Analysis of Rhythms and Aquatics.** A course dealing with the analysis of movement involved in the performance of rhythms and aquatics activities. Practical experiences in conditioning, skill improvement, and movement analysis are included. 3 quarter hours
- PE 325 Kinesiology.** (Prerequisite: Anatomy and Physiology.) Anatomical, mechanical, and functional aspects of human movement are studied with emphasis on analysis of joint actions, mechanical principles, and laws of motion as they apply to efficient movement. 5 quarter hours
- PE 326 History and Principles of Physical Education.** A course designed to provide the professional student an overview of the body of knowledge encompassing the discipline of physical education. Historical, psychological, biological, and sociological foundations of human movement are studied. 5 quarter hours
- PE 327 Physiology of Exercise.** A course designed to provide the student an opportunity to develop a better understanding of the effects of exercise on body systems, factors affecting performance, and the role of physical education in health-related fitness. 5 quarter hours
- PE 333 Care and Prevention of Athletic Injuries.** A course designed to familiarize students with the most prevalent athletic injuries, their anatomical explanation and physiological complications, and treatment of such injuries. 3 quarter hours
- PE 350 Physical Education of the Exceptional Child.** A course designed to provide students with the information necessary to understand, evaluate, and develop programs of physical activities to meet the special needs, interests, and abilities of exceptional children and youth. 5 quarter hours
- PE 352 First Aid and CPR Instructor's Course.** A course designed to teach the basic principles of first aid and coronal pulmonary resuscitation. The course also provides training in the procedures of administering first aid and CPR. American Red Cross Certification is awarded for the successful completion of this course. 3 quarter hours
- PE 354 Contemporary Health.** A course dealing with problems of personal and community health, designed to assist

- students in developing a broad understanding of their obligation to themselves and society in matters of health.
5 quarter hours
- 355 Health-Related Fitness and Nutrition.** A dealing with the development of cardiovascular endurance, muscle strength, flexibility, nutrition and appropriate body composition as these elements contribute to health-related fitness.
5 quarter hours
- 400 Organization and Administration of Physical Education.** A course designed to provide the professional student theoretical and practical information about specific aspects of the process of organizing and administering physical education and athletic programs.
5 quarter hours
- 401 Measurement and Evaluation of Physical Education.** Included in this course is the study of theory of measurement in physical education, the selection and administration of appropriate tests, and the interpretation of test results by fundamental statistical procedures.
5 quarter hours
- 402 School and Community Recreation.** A course designed to teach the student the philosophy and purpose of recreation. Deals with the organization and administration of all aspects of a recreation program in the school and community.
5 quarter hours
- 415 The School Health Program.** Consideration is given to the organization of the total school health program involving health services, healthful school living, and health instruction. Content, methods, and materials suitable for grades N-12 are stressed.
5 quarter hours
- 430 Materials and Methods of Teaching Physical Education in the Elementary School.** A course designed to study source materials, planning and organizing instruction, selection of suitable activities, and preparation of teaching units for physical education in the elementary school.
5 quarter hours
- 431 Motor Development and Physical Activity.** The influence of various tissues (i.e. muscle, bone, adipose), and coordinated neural function are central concerns of this course. Physical activities intended to enhance the physical and motoric growth and development of young children are examined. The relationship of physical and motoric growth and development to all other aspects of human development are studied.
5 quarter hours
- 440 Materials and Methods of Teaching Physical Education in High School.** Emphasis is placed on approved teaching techniques, theories of learning, characteristics of high school students, planning for instruction, instructional management and selection of learning activities. Lesson planning and unit construction are an important part of this course.
5 quarter hours

- PE 441,442,443,444 Special Topics in Physical Education.** To be offered on occasion of student demand or need. 1-5 quarter hours
- PE 451 Health Curriculum.** A course designed to give the student an understanding of the development and implementation of a Health Instruction Program based on the needs and interests of students in grades N-11. 5 quarter hours
- PE 452 Materials and Methods of Teaching Health in the Elementary School.** A course designed to study source materials, planning and organizing instruction, selection of suitable activities and preparation of teaching units for health education in the elementary school. 5 quarter hours
- PE 460 Directed Study/Research in Physical Education.** To be offered on occasion of student demand or need. 1-5 quarter hours

Philosophy (PH) Courses

- *PH 300 Moral Values in Today's Society.** (Also listed as SO 300.) A sociological approach to the study of moral values combined with a philosophical examination of what moral value is and how moral values may be realized in today's society. Emphasis will be given to specific current moral issues. 5 quarter hours
- *PH 301 Introduction to Philosophy.** An examination and evaluation of various answers to basic problems of philosophy. 5 quarter hours
- *PH 312 Logic.** A course intended to help the student develop skill in detecting, identifying, and analyzing fallacious reasoning and implication in the mass media, literature, advertising, theater, philosophy, and religion. 5 quarter hours
- *PH 321 History of Philosophy I.** A critical survey of the thought of major western philosophers from Thales to Descartes. 5 quarter hours
- *PH 322 History of Philosophy II.** A critical survey of the thought of western philosophers from Descartes to the present time. 5 quarter hours
- *PH 325 Philosophy of Religion.** (Also listed as RE 325.) A philosophical study of the grounds of religious belief and practice, the relationship of man to God and its implications for morality, and the belief in life after death. Special attention is given to the impact of science upon religion. 5 quarter hours
- PH 441,442,443,444 Special Topics in Philosophy.** To be offered on occasion of student demand or need. 1-5 quarter hours

H 460 Directed Study/Research in Philosophy. The student studies in an area of his or her particular interest approved by the instructor. Open only to superior students who have had at least fifteen hours of philosophy in the classroom. May be repeated for up to ten additional hours of credit. 1-5 quarter hours

Political Science (PO) Courses

O 300 Great American Issues. (Also listed as **HY 300**.) Examines the development of the main social, economic, and political issues that have faced the United States in this century. Emphasis is on contemporary issues, such as the economy, environment, crime, minority groups, public welfare, education, war and energy. 5 quarter hours

O 301 The Criminal Justice Process. (Also listed as **JS 301**.) Emphasis is placed upon the professional development of students who plan careers in Criminal Justice or related fields by making an in-depth examination of the actual workings of the legal system's institutions. 5 quarter hours

O 302 Problems of American Government. (Also listed as **SO 302**.) A study of the structure and institutional problems of American government in contemporary perspective. 5 quarter hours

O 303 Comparative State and Urban Government. A comparative examination of the operation, issues, and theories of state and urban government throughout the United States. 5 quarter hours

O 305 Alabama Government. Examines the structure and operation of state and local government in Alabama. At the state level, particular emphasis is placed on the work of the legislature and state agencies. At the local level, problems faced by governments in Huntsville, Decatur, Athens, and Birmingham are given special attention. 5 quarter hours

O 320 Introduction to International Commerce. (Also listed as **EC 320**.) Examines the international economic system and the challenges faced by multi-national corporations in the conduct of international business. Special attention is given to the mechanics of importing and exporting, international finance, and private international law. 5 quarter hours

O 323 Twentieth Century Latin America. Covers the political, social, economic, and cultural developments of the Central and South American States. Spanish institutions and nineteenth-century trends pertinent to the modern development of these republics are considered. 5 quarter hours

O 350 Concepts of Justice. (Not a substitute for GBA 311 or GBA 312. Also listed as **SO 350** and **JS 350**. Designed to acquaint the student with historical and ethical background of the law and familiarize the student with present day principles of law applicable to everyday life. 5 quarter hours

- PO 351 Political Sociology.** (Also listed as **SO 351**.) Explores what federal, state, and local governments are doing to solve major social problems, such as poverty, crime, and those arising from minority group relations. 5 quarter hours
- PO 354 Communist Area Studies.** (Also listed as **HY 354**.) Examines the history, geography, and current political systems in the Soviet Union, Eastern Europe, and Communist China. Some attention is given to Cuba and other small communist states. 5 quarter hours
- PO 360 Constitutional Law.** Concerned principally with the unique role of the United States Supreme Court as a policymaking body in the American governmental system and with the Constitution as a major source of law. 5 quarter hours
- PO 364 Civil Liberties.** (Also listed as **JS 364** and **SO 364**.) Analysis of constitutional cases balancing government interests (group rights) with individual rights across the broad spectrum of social interrelations. Specifically explores First, Fourth, Fifth, Sixth, Eighth, and Fourteenth Amendment cases. 5 quarter hours
- PO 377 Managing Public Safety Organizations.** (Also listed as **MG 377**) An examination of the major issues and concepts of managing a public institution. Topics include the theory of fiscal management, budgets and budget control, the political and legal foundations of public enterprise, community relations, public information systems and reports, and public employee rights and responsibilities. 5 quarter hours
- PO 435 The Middle East.** A survey of the historical and cultural characteristics of those countries from Mauritania and Morocco to Afghanistan. Emphasis is placed on the historical development and Arabization of the region, current socio-economic problems, the strategic significance of the area, and its relations to the rest of the world. 5 quarter hours
- PO 441,442,443,444 Special Topics in Political Science.** To be offered on occasion of student demand or need. 1-5 quarter hours
- PO 450 Criminal Justice Courts.** (Also listed as **JS 450**.) Examines the opinions of selected cases of the United States Supreme Court as principles that govern police, attorney, judicial, and correctional actions. Emphasis is placed on due process cases of the Fourth, Fifth, and Sixth Amendments of the Constitution. 5 quarter hours
- PO 452 Comparative Political Systems.** Examines the theory of comparative government as well as government and politics in Western Europe, Asia, Africa, and Latin America. 5 quarter hours
- PO 453 International Politics.** A survey of the basic characteristics and theories of the international system. Special emphasis is placed on regional and international organization, international law, international economics, and international cooperation. 5 quarter hours

456 America and the World. (Also listed as HY 456.) Examines America's foreign relations with the main geographical regions of the world, including issues that affect human survival, such as energy crisis, disarmament, foreign aid, and economic cooperation. 5 quarter hours

460 Directed Study/Research in Political Science. Designed to meet the specific needs of students. 1-5 quarter hours

Procurement (PR) Courses

394 Introduction to Procurement. An introduction to that aspect of management science concerned with procurement. 5 quarter hours

395 Price and Cost Analysis. (Prerequisite: PR 394.) An examination of the role of the government contracting officer in the acquisition process. Emphasis is given to considering pricing practices and theories and to assessing the government's procedures and methods of evaluating pricing and costing activity. 5 quarter hours

396 Government Contract Law. (Prerequisites: PR 394 and PR 395.) An examination of the laws and regulations which have been developed in the area of acquisition for the government or in the private sector when contracting with government. 5 quarter hours

397 Contract Negotiation. (Prerequisites: PR 394, PR 395, and PR 396.) An examination of the concepts and techniques of negotiation. Topics covered include strategies and tactics of contract negotiation, preparation for sound negotiation, organization and operation of a procurement team, the relative positions of strength required for successful negotiation, and limitations as imposed by law. In addition to class lectures, the students will participate in mock negotiations using case studies. 5 quarter hours

398 Contract Administration. (Prerequisites: PR 394, 395, 396, and 397). An examination of the management of government contracts in the post-award phase. The content provides insight into the variety of administrative matters that arise during the life of a contract. Emphasis is given to a consideration of the rights and responsibilities of the government and contractor. 5 quarter hours

Psychology (PS) Courses

300 Contemporary Psychology. A consideration of the major areas of contemporary psychology and an analysis of the representative theories and systems for understanding and interpreting behavior. 5 quarter hours

- PS 330 Educational Psychology.** Application of psychological concepts and principles to classroom teaching and learning especially in the areas of motivation, individual differences, adjustment, and teacher-student interaction. 5 quarter hours
- PS 331 Social Psychology.** The relationship of the individual to social systems with special reference to the socialization process, group dynamics, social conflict, and person perception. The course includes a brief introduction to methods of research. 5 quarter hours
- PS 332 Child Psychology.** A study of the physical, mental, social and emotional development of the child. 5 quarter hours
- PS 334 Adolescent Psychology.** Biological, psychological and sociological perspectives with consideration of major theoretical approaches to adolescent development, development of cognitive processes, social attachment, sexual differences, emotional development, values and moral attitudes. 5 quarter hours
- PS 335 Adult Psychology.** Examines the scope of adult psychology to include physical and intellectual development, personality and social development, the family and vocational development during young adulthood, the middle years and retirement. 5 quarter hours
- PS 336 Learning Theories.** A survey of research and experiments in learning and related growth of the major theories of learning. 5 quarter hours
- PS 341 Statistics in Behavioral Science.** (Prerequisite: PS or SO major or minor or permission, college algebra or equivalent. Also listed as **SO 341**.) Planning and conduct of behavioral science research with emphasis upon elementary statistical analysis of behavioral science data. 5 quarter hours
- PS 352 Abnormal Psychology.** A close consideration of the biological, biochemical, genetic, psychological, and psychosocial factors in behavior pathology. Issues of diagnosis, prognosis, and treatment will be studied. 5 quarter hours
- PS 368 Industrial and Personnel Psychology.** (Also listed as **GBA 368**.) The application of psychology to industrial organization. Areas of consideration include morale and group processes, supervisory leadership, selection and placement, training, motivation, fatigue, accidents, interviewing, and industrial counseling. 5 quarter hours
- PS 370 Behavior Modification.** A study of the application of learning theory in changing human behavior. The course explores principles of learning and application of techniques designed to modify human behavior in a variety of settings. 5 quarter hours

- 375 Organizational Behavior.** (Also listed as **MG 375** and **FMS 375**.) A consideration of human behavior in organizational settings with emphasis on individual processes, group processes and organizational structure and functions. 5 quarter hours
- 380 Experimental Psychology and Methodology for Behavioral Science.** (Prerequisite: Psychology or Sociology major or minor and PS/SO 341 Statistics in Behavioral Science. Laboratory included. Also listed as **SO 380**.) An introductory course in experimental methods and procedures in psychology and sociology. Topics of discussion will include: hypothesis formation, internal and external validity, true experimental designs, quasi-experimental designs, single-subject designs, evaluation research, data collection, ethics, and formal reporting. 5 quarter hours
- 401 Experimental Parapsychology.** (Laboratory included.) A study of the experimental methods and procedures applicable to parapsychology. Explores the sources of parapsychological data, evaluates the problems and limitations of parapsychological research, and examines the applications of parapsychological research to medicine, psycho-diagnosis, psychotherapy, forensics, education and personal development. 5 quarter hours
- 402 Seminar in Psychotherapy.** (Prerequisite: PS 352 Abnormal Psychology.) An introduction to personality theory and the techniques of counseling and psychotherapy. An approach to psychotherapy and psychotherapeutic techniques will be emphasized within which various schools of thought can be considered in terms of a common framework. 5 quarter hours
- 403 Seminar in Parapsychology.** A study of the phenomena associated with extra-sensory perception, psychokinesis, unexplained events and related topics. 5 quarter hours
- 404 Drug Dependence.** The basic pharmacological and psychological variables in the problem and treatment of drug dependence. 5 quarter hours
- 405 Biofeedback.** (Laboratory included.) Basic principles of biofeedback with emphasis on clinical and research applications. 5 quarter hours
- 406 Physiological Psychology.** (Memory laboratory included.) A study of the relationships between physiological and psychological functions with special emphasis on mind-body interaction and the physiological explanations for human behavior. Topics of study include: nervous and endocrine systems, sleeping and waking; ingestive behavior; sexual behavior; reinforcement, punishment, motivation; emotions; and learning (disabilities, dysfunctions, etc.). 5 quarter hours
- 408 Psychology of Criminal Behavior.** (Also listed as **JS 408**.) Personality and psychological factors in criminal behavior with special reference to behavior systems and types of criminal behavior, the psychology of treatment and control; societal values and community factors. 5 quarter hours

PS 441,442,443,444 Special Topics in Psychology. To be offered on occasion of student demand or need.

1-5 quarter hours

PS 430 Literature: The Healing Art. (Also listed as EH 430.) A course in the use of literature as therapy and the function of literature in the process of self-discovery, self-analysis, and personal growth. Selected works of literature in poetry, drama, and fiction will be studied in the context of literature as therapy. Some attention will be given to poetry writing and journal writing as therapeutic tools. Especially recommended for behavioral science majors, educators, social workers, and others engaged in humanistic professions.

5 quarter hours

PS 460 Directed Studies in Psychology.

1-5 quarter hours

PS 461 Tests and Measurements. Principles and procedures of measurement and evaluation to include consideration of effective evaluative methods, construction of classroom tests and use of standardized tests.

5 quarter hours

PS 470, 471 Practicum in Psychology. (The course includes a weekly seminar with discussion and evaluation of experiences in the field.) Provides supervised experiences in appropriate community agencies, institutions, industrial or research settings.

5 quarter hours

Public Safety Administration (PSA) Courses

PSA 314 Legal Studies in Public Safety Administration. An examination of the laws, rules, and regulations that have general applicability to public safety agencies. Topics covered include codes and ordinances, legal responsibilities of public safety agencies, and enforcement procedures and administrative powers.

5 quarter hours

PSA 377 Managing Public Safety Organizations. A examination of the major issues and concepts of managing a public safety institution. Topics include the theory of fiscal management, budgets and budget controls, the political and legal foundations of public enterprise, community relations, public information systems and reports, and public employee rights and responsibilities.

5 quarter hours

PSA/EMS/FSM 425 Strategic Management Concepts for Public Safety Management Personnel. An examination of the interrelationships among the various functions of public safety agencies, and a critical inquiry into the process of effective decision making. Readings in professional journals, written reports, and case analysis will be emphasized.

5 quarter hours

A/EMS/FSM 444 Topical Seminar/Research in Public Safety. An examination of research regarding public safety administration using a research seminar format. 5 quarter hours

A/EMS/FSM 465 Public Safety Administration Practicum. Provides supervised experiences in appropriate public safety agencies. This course includes routine seminars with discussion and evaluation of experiences in the field. 5 quarter hours

Physics (PH) Courses

300 College Science Physics. A non-laboratory course presenting basic concepts of physics. This course does not serve as a prerequisite for any other course in physics nor does it meet requirements as a science course for the science major in the B.S. and B.S.Ed. degree programs though it may be specified in degree requirements. 5 quarter hours

301/302/303 Physics. (Prerequisites: MA 303 and MA 304. Laboratory included.) A calculus-based introduction to the principles of mechanics, heat, sound, electricity, magnetism, and light. 5 quarter hours

305 Introduction to Modern Physics. (Prerequisite: PY 303.) The development of quantum physics from a historical perspective. Introduction to relativistic kinematics, wave/particle duality, and atomic and nuclear structure. 5 quarter hours

311/312 Electricity and Magnetism. (Prerequisites: PY 303, MA 306, MA 421.) The theory of electromagnetic fields and waves as developed from the basic experimental laws. Application of these theories is made to d.c. and a.c. circuits. Emphasis is placed upon techniques of problem solving. 5 quarter hours each

313/314 Mechanics. (Prerequisites: PY 303, MA 306, and MA 421.) A study of the laws and principles of statics, dynamics, vectors, torques, conditions for equilibrium, and moments of inertia. The solution of many problems is required. 5 quarter hrs. ea.

344 Principles of Optics. (Prerequisite: PY 311). A study of optical phenomena with emphasis on geometrical optics, although the electromagnetic approach will also be discussed. Topics will include reflection, refraction, lenses, image formation, optical systems, aberrations, and an introduction to wave motion. 5 quarter hours

345 Physical Optics. (Prerequisite: PY 312 and PY 344.) A continuation of PY 344, with emphasis on wave phenomena.

Topics will include polarization, interference, Fraunhofer and Fresnel diffraction, Fourier optics, coherence, and selected topics in contemporary optics. 5 quarter hours

PY 410 Introduction to Solid State Physics. (Prerequisites: PY 305 and MA 421.) Structure, electrical and magnetic properties of solids. Phenomena covered include lattice vibrations and the band theory of metals, semiconductors and insulators. 5 quarter hours

PY 411 Heat and Thermodynamics. (Prerequisites: PY 303 and MA 306. CH 430 may be substituted for this course.) study of calorimetry, equations of state, heat transfer and the laws of thermodynamics. 5 quarter hours

PY 414 Nuclear Physics. (Prerequisite: PY 305.) The structure of the atomic nucleus, isotopes, natural radioactivity, the laws of radioactive transformation, transmutation, nuclear reactions, and nuclear structure. 5 quarter hours

PY 415/416 Intermediate Modern Physics. (Prerequisites: PY 305, MA 421, and MA 427.) Introduction to quantum mechanics, postulates, Schrodinger wave equation, applications to microscopic systems; Fermi-Dirac and Bose-Einstein statistics, and the special theory of relativity. 5 quarter hours each

PY 418 Statistical Thermodynamics. (Prerequisite: PY 416.) The concepts of temperature, entropy and the chemical potential are developed from the principles of equilibrium quantum states. Quantum statistics are developed. 5 quarter hours

PY 420 Problems in Theoretical Physics. (Prerequisite: PY 303 and MA 421.) 5 quarter hours

PY 435/436 Senior Laboratory. Selected experiments from modern physics, electricity and magnetism, optics, and thermodynamics. 3 quarter hrs. each

PY 441,442,443,444 Special Topics in Physics. To be offered on occasion of student demand and need. 1-5 quarter hrs.

PY 460 Directed Study and Research in Physics. 1-5 quarter hours

Religion (RE) Courses

***RE 301 Major Religions of the World.** A study of the principal non-Christian religions of the world in comparison with Christianity. 5 quarter hours

- E 303 Current Religious Movements and Issues.** An examination of current religious issues and movements which are influential in the thought and practice of modern society. 5 quarter hours
- E 312 History of Judaism.** Presents Judaism from the destruction of the Temple through medieval times. Examines the world of Talmud, Midrash, Response and the general Diaspora. Requires reading from historical and tenetial sources. 5 quarter hours
- E 314 History of Islam.** Presents Islam from its beginning, in an historical, religious and geographical context, to its major geographical, doctrinal and sectarian spread internationally. 5 quarter hours
- E 320 Introduction to the Old Testament.** A study of Hebrew history and thought as recorded in the **Old Testament**. 5 quarter hours
- E 321 Introduction to the New Testament.** A study of the beginnings of the Christian faith and church as recorded in the **New Testament**. 5 quarter hours
- E 325 Philosophy of Religion.** (Also listed as **PH 325**.) A philosophical study of the grounds of religious belief and practice, the relationship of man to God and its implications for morality and the belief in life after death. Special attention is given to the impact of science upon religion. 5 quarter hours
- E 327 Sociology of Religion.** (Also listed as **SO 327**.) The interaction, interpretation, and inter-relationships of religion, society, and individual morality in American religious behavior and institutions. 5 quarter hours
- E 330 Biblical Hebrew Grammar I.** Inductive approach, utilizing the Biblical narratives, especially in Genesis and the Books of Kings. 5 quarter hours
- E 331 Biblical Hebrew Grammar II.** Emphasis on conjugations, syntax, and morphology, Hebrew poetry and Hebrew narrative. 5 quarter hours
- E 340 New Testament Greek for Beginners I.** Greek grammar utilizing **New Testament** vocabulary. 5 quarter hours
- E 341 New Testament Greek for Beginners II.** Continuation of RE 340. 5 quarter hours
- RE 351 Christian Thought Today.** A critical survey of three major trends in the interpretation of Christianity today: conservatism, liberalism and neo-Reformation thought. 5 quarter hours
- RE 403 Religion in Life.** A study of Christian ethics which examines the meaning of righteousness in Christian context and its implications for decision-making in today's world. 5 quarter hours

- *RE 409 Christian Thought in Early Centuries.** A study of Christian thought in Jesus, Paul and other leaders in the first centuries. 5 quarter hours
- *RE 412 The Hebrew Prophets.** An inquiry into the origin, nature, and development of the Hebrew prophetic movement and an examination of the lives, times, and messages of the latter **Old Testament** prophets. 5 quarter hours
- *RE 413 The Wisdom and Devotional Literature of the Old Testament.** A historical and faith analysis of the Books of Job, Ecclesiastes, Song of Solomon, Proverbs, Psalms and other fourth and third century BC **Old Testament** writings. 5 quarter hours
- *RE 414 History of Christianity.** A survey of the background and origin of the Christian movement and its development to the present time. 5 quarter hours
- *RE 415 Religious Dimensions in Literature and the Arts.** A study of various theological themes as they appear in literature and the arts. 5 quarter hours
- RE 441,442,443,444 Special Topics in Religion.** To be offered on occasion of student demand or need. 1-5 quarter hours
- RE 460 Directed Study/Research in Religion.** Open only to superior majors. May be repeated for up to ten additional hours of credit. 1-5 quarter hours

SPECIAL EDUCATION (SE) COURSES

- SE 301 Introduction to the Exceptional Child.** (Required of all teacher-education majors.) A general survey course which addresses etiology, identification, incidence, curriculum modification, parent interaction and mainstreaming of exceptional children. 5 quarter hours
- SE 302 Language Development.** An analysis of the language including phonology, syntax, and semantics with emphasis on school applications in reading, grammar, spelling and composition. 5 quarter hours
- SE 310 Learning Disabilities: Theories and Issues.** (Prerequisite: Admission to the Teacher Education Program.) A course designed to help the student become familiar with the background theories, current questions, and possible solutions in the field of learning disabilities includes field experience. 5 quarter hours
- SE 330 Planning Curriculum and IEP's for the Learning Disabled.** (Prerequisite: Admission to the Teacher Education Program.) This course will develop a knowledge of educational taxonomies and skills in selecting and developing

- instructional sequences, selecting and writing appropriate objectives in an individualized educational program, and evaluating those objectives through the use of teacher-made mastery assessments. 5 quarter hours
- 400 Classroom Management and Discipline.** (Prerequisite: Admissions to the Teacher Education Program. Includes field experience.) A course designed to develop an understanding of classroom dynamics and the skills to deal effectively with a variety of discipline and management problems. 5 quarter hours
- 410 Assessment of Exceptional Children.** (Prerequisite: Admission to the Teacher Education Program. Fee required.) A course designed to develop an understanding of assessment principles and purposes; it will also develop skill in administering a variety of educational diagnostic tests and procedures. 5 quarter hours
- 420 Alternative Instructional Strategies.** Prerequisite: all other reading and math coursework ED 324, ED 424, ED 333, ED 323 and Admission to the Teacher Education Program. Includes field experience.) A course designed to provide the pre-service teacher with alternative corrective procedures for a variety of presenting academic and social problems. 5 quarter hours
- 430 Advanced Diagnostic and Implementation Strategies.** (This course should be taken prior to actual internship. Prerequisite: all other coursework except SE 413 and ED 488 and Admission to the Teacher Education Program. Includes field experience.) A course designed to develop expertise in test administration, diagnosis of problems, and setting up instructional strategies for a variety of students in a simulated school setting. 5 quarter hours
- 440 Meeting the Needs of the Secondary Learning Disabled.** (Prerequisite: Admission to the Teacher Education Program. Includes field experience.) A course designed to develop an understanding of the learning disabled adolescent. It will stress an appreciation of the adolescent's academic, social, and vocational need. 5 quarter hours
- 450 Professional Development Seminar.** (Prerequisite: Admission to the Teacher Education Program. Includes field experience.) This course is designed to improve the skills of the individual student prior to the student internship. It is based on a clinical teaching model and allows the professor and student to select from a variety of options (e.g. advanced research skills, remedial composition skills, public speaking skills) the approach necessary to strengthen and advance the individual student's professional development. 5 quarter hours
- 470 Parent and Professional Conferencing Techniques.** (Prerequisite: Admission to the Teacher Education Program. May be taken concurrently with ED 488.) A course designed to help the prospective educator develop communication skills and ethical standards in communicating programs and problems of the exceptional learner to parents, professionals and other appropriate personnel. 5 quarter hours

Sociology (SO) Courses

- SO 300 Moral Values in Today's Society.** (Also listed as **PH 300.**) A sociological approach to the study of moral values combined with a philosophical examination of what moral value is and how moral values may be realized in today's society. Emphasis will be given to specific current moral issues. 5 quarter hours
- SO 302 Problems of American Government.** (Also listed as **PO 302.**) A study of the structure and institutional problems of American government in contemporary perspective. 5 quarter hours
- SO 304 Sociology of Work.** Consists of sociological analysis of work in preindustrial and industrial societies; a consideration of problems involved in the conceptual and empirical study of occupations and professions; an examination of the process of professionalization, and the study of leisure and the social consequences of changes in occupations and professions. 5 quarter hours
- SO 312 Majority/Minority Group Relations.** Minority group contacts and conflicts with an emphasis upon negative prejudice and its effects upon minority group status in the United States. 5 quarter hours
- SO 314 Population Study.** The relationship of demographic factors to the social structure. Trends in fertility, mortality, population growth, distribution, migration, and composition. 5 quarter hours
- SO 327 Sociology of Religion.** (Also listed as **RE 327.**) The interaction, interpretation, and interrelationships of religion and society, and individual morality in American religious behavior and institutions. 5 quarter hours
- SO 341 Statistics in Behavioral Science.** (Prerequisite: PS or SO major or minor or permission, college algebra or equivalent. Also listed as **PS 341.** Laboratory included.) Planning and conduct of behavioral science research with emphasis upon elementary statistical analysis of behavioral science data. 5 quarter hours
- SO 350 Concepts of Justice.** (Not a substitute for GBA 311 or GBA 312. Also listed as **PO 350** and **JS 350.**) Designed to acquaint the student with historical and ethical background of the law and familiarize the student with present concepts and principles of law applicable to everyday life. 5 quarter hours
- SO 351 Political Sociology.** (Also listed as **PO 351.**) Explores what federal, state, and local governments are doing to solve major social problems, such as poverty, crime, and minority group relations. 5 quarter hours
- SO 360 The Contemporary American Family.** Study of the relationships of family structure to social organization. Understand the influence of change on family life styles in transition from patriarchal to equalitarian and the legal ramifications of divorce, estates and wills. 5 quarter hours

- 361 Social Analysis.** Varieties of deviant behavior and social disorganization, facts and theories concerning their causes, nature, and control to develop a biological, psychological, religious and sociological base from which to investigate group behavior. 5 quarter hours
- 362 Deviant Social Behavior.** An in-depth examination of the social implication of labeling deviant behavior, its effects upon both the individual and society. 5 quarter hours
- 363 Social Structure and Personality.** An analysis of the relationship of the culture and individual behavior through social influences. 5 quarter hours
- 364 Civil Liberties.** Designed for the non-lawyer, general social science student interested in balancing government interest (group rights) with individual rights across the broad American spectrum of social interrelations. 5 quarter hours
- 380 Experimental Psychology and Methodology for Behavioral Science.** (Prerequisites: Psychology or Sociology major or minor and PS/SO 341 Statistics in Behavioral Science. Also listed as **PS 380**. Laboratory included. An introductory course in experimental methods and procedures in psychology and sociology. Topics of discussion will include: hypothesis formation, internal and external validity, true experimental designs, quasi-experimental designs, single-subject designs, evaluation research, data collection, ethics, and formal reporting. 5 quarter hours
- 401 Adult Correction.** (Also listed as **JS 401**.) Socioeconomic facets of crime and principles and practices of delinquency, probation and parole, interaction (environmental and attitudinal) of persons from sentencing to return to society will be stressed. 5 quarter hours
- 441,442,443,444 Special Topics in Sociology.** To be offered on occasion of student demand or need. 1-5 quarter hours
- 452 Advanced Criminology.** (Also listed as **JS 452**.) Analysis of social causal process and theories by which individuals become criminals and evaluation of the effectiveness of the criminal justice system in returning helpful, contributing citizens back to society. Historical and contemporary orientation. 5 quarter hours
- 453 Juvenile Delinquency.** An in-depth examination of juvenile delinquency within a sociological framework. Includes both a theoretical and practical emphasis. 5 quarter hours
- 460 Directed Research Studies in Sociology.** Designed to examine selected topics from a sociological perspective. 1-5 quarter hours

- SO 461 Sociological Theories.** An historical examination of the theories and principles of social science. 5 qtr. hrs.
- SO 464,465 Seminar and Field Observation in Social Work.** (Prerequisite: Permission of instructor. A term paper will be required.) This course will entail approximately six to eight hours of active field observation per week in cooperation with specific social work agencies in this area. 5 qtr. hrs. each
- SO 471 Aging in a Mass Society.** A study of the aging process, the special problems encountered by the aging and the institutions of society involved in the care of the aging. 5 quarter hours

Social Science (SS) Courses

- SS 300 Principles of Social Science.** (Required of students seeking the Bachelor of Science in Education degree majoring in History, Political Science or Psychology.) A comprehensive course designed to explore the philosophies and concepts upon which the social sciences are based. Includes History, Psychology, Sociology, Political Science and Philosophy. 5 quarter hours
- SS 301 Social Science Research Techniques and Methods.** (Should be taken at the beginning of the junior year. Also listed as HY 301.) A course designed to develop the techniques of social science research and to explore varying historical interpretations. Also aims at preparation of teaching materials. 5 quarter hours
- SS 310 Basic Economics.** (Also listed as EC 310.) A one-quarter course that is a survey of economic principles. The course content is structured to meet the needs of both students who plan to take only one course in economics as well as students who plan to use the concepts presented as a prerequisite for further study in the areas of economics or business administration. 5 quarter hours
- SS 321 Money and Banking.** (Prerequisite: Principles of Economics. Also listed as EC 321.) A study of how money, credit and interest rates affect the level of employment, production, and prices in the economy. Topics of study will include the Federal Reserve System, the operations of commercial banks, credit controls, the theory of income determination as well as recent trends in banking. 5 quarter hours
- SS 323 Introduction to Managerial Economics.** (Also listed as EC 323.) A one-quarter course that analyzes the behavior of individual firms and households carrying on production or consumption. The material provides a practical examination of important microeconomic principles behind the operation of any modern business and explains the analytical tools used in making effective management decisions. 5 quarter hours
- SS 460 Directed Study/Research in Social Science.** To be offered as needed. 1-5 quarter hours

Vocational and Technical (VE) Courses

259 Basic Technical Specialty (0-65 quarter hours): This course number designates credit awarded for the journeyman level training in a technical specialization area when validated by completion of a nationally recognized competency examination.

279 Transfer Credit in Vocational and Technical Specialization Area. (0-65 quarter hours credit): This course number designates transfer credit for any vocational, career or technical course from postsecondary vocational schools, technical colleges, technical institutes or any of the approved military programs and other schools. (May not be granted concurrently with VE 259.)

302 Foundations of Vocational and Technical Education. A course designed to relate the development of vocational and technical education from historic apprenticeships to contemporary vocational and technical programs. Philosophies and principles of vocational and technical education are also reviewed. 5 quarter hours

432 Methods of Teaching Vocational and Technical Subjects. (Laboratory experiences are included.) A review of teaching strategies, procedures, audio-visual laboratory and concrete experiences which may be used to develop specific performance objectives for instruction. 5 quarter hours

433 Materials in Vocational Education. Includes teaching devices and methods of application; desirable teaching facilities; motivation and development of skill, reasoning qualities, lesson planning; shop organization and management. 5 quarter hours

434 Occupational Analysis and Curriculum Development in Vocational and Technical Education. A course designed to provide a knowledge of the problems, techniques, and procedures in the selection and organization of subject matter for instructional purposes. Each student is required to develop a two-year vocational curriculum suitable for implementation in vocational schools. 5 quarter hours

435 Industrial and Shop Safety. Identifies potential safety hazards as they pertain to vocational education shops in the schools and industrial shops. Accident prevention techniques are provided. OSHA is introduced to the student in his or her area of skill concentration. 5 quarter hours

436 Vocational Information Guidance. An introductory course in vocational guidance to provide the principles and techniques necessary to organize and operate vocational guidance services within the public school. 5 quarter hours

438 Shop Organization and Management. Provides a knowledge of the problems, techniques, and procedures used

to maintain and manage vocational and industrial shops for instructional purposes or for manufacturing. Deals with organization, management, and care of shops. 5 quarter hours

VE 439 Youth Organizations and Advisory Committees. Describes the procedures for establishing, implementing and operating student organizations and advisory committees. 5 quarter hours

VE 440 Testing and Evaluation in Vocational Education. Describes the evaluation standards for vocational schools, courses and lecture courses with emphasis on the open entry concept. 5 quarter hours

VE 441,442,443,444 Special Topics in Vocational Education. To be offered on occasion of student demand or need. 1-5 quarter hours

VE 445 Functions of the Coordinator. Prepares the student for identifying and administering the various programs in vocational education that are of a cooperative nature. 5 quarter hours

VE 446 Individualizing Instruction in the Vocational and Technical Programs. A study of instructional strategies and procedures for meeting the individual needs of students. 5 quarter hours

VE 450 A,B,C, Practicum I,II,III in Advanced Technical Studies. (Prerequisite: Must be in-service teacher.) Individualized designed laboratory studies in the state of the art of a variety of technologies. 5-15 qtr. hrs.

VE 459 Advanced Vocational and Technical Specialty (0-20 quarter hours). This course number designates credit to be awarded for advanced industrial or educational work experience (Non-teaching) in the specialization area. Credit will be granted for work experience which does not exceed in responsibility the original level of training.

VE 460 Directed Study/Research in Vocational Education. To be offered on occasion of student demand or need. 1-5 quarter hours

VE 461 Related Training in Vocational Education. Courses designed to include attendance at an approved industrial company-operated school for the purpose of providing the vocational teacher with advanced related technical training. Courses are open to qualified teachers or individuals preparing to enter this field of teaching. Detail planning for each course will be conducted by a team of postsecondary trade and industrial teachers from throughout the state. Academic Deans of Technical Colleges, Presidents of Technical Colleges, State Department Representatives and other academic personnel of the college. Planning relates to ED 460 also. 1-5 quarter hours

VE 469 Vocational and Technical Specialty (Training Experience 0-10 quarter hours.) (Limited to in-service teachers) Five quarter hours credit may be awarded for each year of documented vocational specialty teaching experience verified by the director or supervisor in vocational and technical school. A limit of ten quarter hours credit is granted. (

five quarter hours may be earned for a 12-month period. This teaching experience must have been supervised and evaluated and may be from an approved military school, industrial and business school, proprietary school, or public vocational school at either the secondary or postsecondary level.

E 483,484,485 Practicum in Teaching Vocational and Technical Education (In-service.) A series of studies designed to expand the current teaching skills of in-service teachers of technical subjects. These courses may not be substituted.

5 qtr. hrs. ea.

E 487 Internship in Vocational and Technical Education (Pre-service). A course which provides an opportunity for prospective teachers to observe and implement instruction in a technical college setting under the guidance of a competent critic/teacher. Participation in the full school program is required.

15 quarter hours

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James R. Chasteen, President. B.A., Samford University; M.A., Ed.S., Ed.D., The University of Alabama.

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Sandra Cook, Secretary to the President. B.S.Ed., Athens State College.

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- David Nye, Assistant Professor of Management. B.S., The University of Tennessee; M.B.A., Virginia Commonwealth University.
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- William Whitley, Assistant Professor of Accounting, B.S., The University of Alabama in Huntsville; M.B.A., University of Houston; CPA.
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DIVISION OF EDUCATION

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zabeth Hall, Associate Professor of Special Education. B.S., Sarah Lawrence College; M.Ed., Alabama A&M University, Ph.D., George Peabody College of Vanderbilt University.

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Othel Washington, Assistant Professor of Vocational Education. B.S., M.Ed., Alabama A&M University.

DIVISION OF HUMANITIES AND SOCIAL SCIENCES

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Terry Bowen, Adjunct Professor Political Science. B.A., M.A., Auburn University.

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